UGC NET PAPER 1 PAPER 2 DECEMBER 21, 2018 SHIFT 2 ENVIRONMENTAL SCIENCES QUESTION PAPER

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Paper I

Group Number :	1
Group Id :	913943171
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Break time:	30
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Group Marks:	100

00 General Aptitude

Section Id :	913943171
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	42
Number of Questions to be attempted:	42
Section Marks:	100
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	913943660
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 91394312980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Prime objective of using audio-lingual aids in a classroom is to keep students to develop :

Options :

91394351001. Spelling and punctuation skills

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91394351002. Listening and speaking skills

91394351003. Reading and writing skills

91394351004. Vocabulary and grammar

Question Number : 1 Question Id : 91394312980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एक कक्षा में श्रव्य-भाषिक शिक्षण सहायक सामग्री के प्रयोग का उद्देश्य छात्रों को निम्नांकित में से किसके विकास में मदद करना है?

Options :

91394351001. वर्तनी और चिह्न-विचार कौशल

91394351002. श्रवण और भाषण कौशल

91394351003. पठन और लेखन कौशल

91394351004. शब्दावली और व्याकरण

Question Number : 2 Question Id : 91394312981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which among the following is best instrument to evaluate quality or characteristics of a learner ?

Options :

91394351005. Checklist

91394351006. Rating Scale

91394351007. Inventory

91394351008. Rubrics

Question Number : 2 Question Id : 91394312981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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शिक्षार्थी के गुणों और विशेषताओं के मूल्यांकन के लिए निम्नांकित में से कौन-सा सर्वोत्तम उपकरण है?

Options :

91394351005. जाँच सूची

91394351006. श्रेणी-निर्धारण पैमाना

91394351007. विस्तृत सूची

91394351008. सुर्खियाँ

Question Number : 3 Question Id : 91394312982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The growth, development and increased access to technology over decades have contributed to learner characteristics in terms of using technology. Below are given two sets, please match the generation as being popularly called based on birth year :

Set - I		**Set - II**	
(a)	Born 1945 and before	(i)	Generation Z
(b)	Born 1946 to 1964	(ii)	Generation Y
(c)	Born 1965 to 1976	(iii)	Baby Boomer
(d)	Born 1977 to 1995	(iv)	Traditionalist
(e)	Born 1996 and after	(v)	Generation X

Code :

(a) (b) (c) (d) (e)

Options :

91394351009. (iv) (iii) (v) (ii) (i)

91394351010. (ii) (i) (iii) (iv) (v)

91394351011. (i) (v) (ii) (iii) (iv)

91394351012. (iii) (iv) (i) (v) (ii)

Question Number : 3 Question Id : 91394312982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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पिछले कुछ दशकों के दौरान तकनीक की संवृद्धि, विकास और परिवर्धित पहुँच से तकनीक के प्रयोग के संदर्भ में शिक्षार्थी की विशेषतायें विकसित करने में योगदान हुआ है। नीचे दो समूह दिए गए हैं, कृपया जन्म वर्ष के आधार पर प्रचलित पीढ़ियों को सुमेलित करें :

	समूह - I		समूह - II
(a)	1945 और उससे पहले जन्मे	(i)	जेनरेशन Z
(b)	1946 से 1964 के बीच जन्मे	(ii)	जेनरेशन Y
(c)	1965 से 1976 के बीच जन्मे	(iii)	बेबी बूमर
(d)	1977 से 1995 के बीच जन्मे	(iv)	परंपरावादी
(e)	1996 और उसके बाद जन्मे	(v)	जेनरेशन X

कूट :

(a) (b) (c) (d) (e)

Options :

91394351009. (iv) (iii) (v) (ii) (i)

91394351010. (ii) (i) (iii) (iv) (v)

91394351011. (i) (v) (ii) (iii) (iv)

91394351012. (iii) (iv) (i) (v) (ii)

Question Number : 4 Question Id : 91394312983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is **correct** statement in relation to fishbowl style of classroom layout ?

Options :

91394351013. Students sit in 'C' shape formation with teacher at the centre.

91394351014. Students are grouped together on small tables so that they can engage in small group discussions.

91394351015. Some students sit close together in a circle in the centre of classroom while the rest of students stand at the back of classroom and observe the group discussion.

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Students sit in horizontal rows so that they can clearly see each other but this does not facilitate group discussion.

91394351016.

Question Number : 4 Question Id : 91394312983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

कक्षा संरचना की फिशबाउल शैली के संदर्भ में निम्नांकित में से कौन सा कथन **सही** है?

Options :

91394351013. छात्र 'C' आकार की रचना में बैठते हैं और शिक्षक केंद्र में होता है।

91394351014. छात्रों को छोटी मेज के इर्द-गिर्द बिठाया जाता ताकि वे लघु समूह चर्चा कर सकें।

91394351015. कुछ छात्र कक्षा के बीच में एक घेरे में पास-पास बैठते हैं, जबकि शेष छात्र समूह चर्चा का अवलोकन करने के लिए थोड़ा पीछे खड़े होते हैं।

91394351016. छात्र क्षैतिज पंक्तियों में बैठते हैं ताकि वे साफ-साफ एक दूसरे को देख सकें लेकिन इससे समूह-चर्चा संभव नहीं हो पाती।

Question Number : 5 Question Id : 91394312984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which among the following is the apex institution in India working in the area of training educational planners and administrators ?

Options :

91394351017. NCERT

91394351018. SCERT

91394351019. NIEPA

91394351020. NCTE

Question Number : 5 Question Id : 91394312984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

शैक्षिक नियोजकों और प्रशासकों को प्रशिक्षण देने वाली भारत में सर्वोच्च संस्था निम्नांकित में से कौन है?

Options :

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91394351017. एन सी ई आर टी

91394351018. एस सी ई आर टी

91394351019. एन आई ई पी ए

91394351020. एन सी टी ई

Question Number : 6 Question Id : 91394312985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The identification of a research problem involves :

(a) Selection of the academic area

(b) Demarcation of the study area

(c) Rejection of personal and collective choices

(d) Specific topics within the area

(e) Management of financial sources

Code :

Options :

91394351021. (a), (b) and (c)

91394351022. (b), (c) and (d)

91394351023. (a), (b) and (d)

91394351024. (c), (d) and (e)

Question Number : 6 Question Id : 91394312985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

शोध समस्या की पहचान में शामिल है :

(a) अकादमी क्षेत्र का चयन

(b) अध्ययन-क्षेत्र का सीमांकन

(c) वैयक्तिक और संकलनात्मक चयन का बहिष्करण

(d) क्षेत्र के भीतर विशिष्ट विषय

(e) वित्तीय स्रोत का प्रबंध

कूट :

Options :

91394351021. (a), (b) और (c)

91394351022. (b), (c) और (d)

91394351023. (a), (b) और (d)

91394351024. (c), (d) और (e)

Question Number : 7 Question Id : 91394312986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Participatory research is also described as :

Options :

91394351025. Individual-based

91394351026. Group-based

91394351027. Community-based

91394351028. Government-based

Question Number : 7 Question Id : 91394312986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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प्रतिभागी शोध की व्याख्या निम्नलिखित में से किस रूप में भी की जा सकती है?

Options :

91394351025. व्यष्टि–आधारित

91394351026. समूह–आधारित

91394351027. समुदाय–आधारित

91394351028. सरकार–आधारित

Question Number : 8 Question Id : 91394312987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is an **incorrcet** statement ?

Options :

91394351029. Ex post facto research uses data that you collected before you came up with your hypothesis.

91394351030. Archival research uses data collected and sometimes coded by someone else.

91394351031. Observational methods are used in both correlational and experimental research.

91394351032. Using a scatterplot to graph your correlational data will not tell you the direction of the relationship (positive or negative).

Question Number : 8 Question Id : 91394312987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नलिखित में से कौन–सा कथन **गलत** है?

Options :

91394351029. कार्योत्तर शोध में उन आँकड़ों का प्रयोग किया जाता है जिसे आपने परिकल्पना निर्माण से पूर्व एकत्र किया था।

91394351030. पुरातात्विक शोध में किसी अन्य व्यक्ति द्वारा संकलित और कभी–कभी कूटबद्ध आँकड़ों का उपयोग किया जाता है।

91394351031. प्रेक्षण पद्धति का उपयोग सहसम्बन्ध और प्रायोगिक दोनों शोध में किया जाता है।

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अपने सह-संबधीय आँकड़े लिखने के लिए स्कैटरप्लॉट का उपयोग करने से आपको संबंध (धनात्मक या ऋणात्मक) की दिशा ज्ञात नहीं होगी।

91394351032.

Question Number : 9 Question Id : 91394312988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The advantages of secondary analysis in research are :

(a) It is inexpensive.

(b) There is no need to construct a measuring instrument.

(c) Data archives are a valuable source.

(d) Useful opportunity is provided to produce valuable knowledge.

(e) Provides less time to understand data.

Code :

Options :

91394351033. (a), (c), (d) and (e)

91394351034. (a), (b), (c) and (d)

91394351035. (b), (c) and (e)

91394351036. (d) and (e) only

Question Number : 9 Question Id : 91394312988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

शोध में सहायक विश्लेषण के लाभ हैं :

(a) यह सस्ता है।

(b) मापक यंत्र बनाने की कोई आवश्यकता नहीं है।

(c) आँकड़ा-अभिलेखागार एक महत्त्वपूर्ण स्रोत है।

(d) महत्त्वपूर्ण ज्ञान उत्पन्न करने के लिए उपयोगी अवसर प्राप्त होता है।

(e) आँकड़ों को समझने के लिए समय कम मिलता है।

कूट :

Options :

91394351033. (a), (c), (d) और (e)

91394351034. (a), (b), (c) और (d)

91394351035. (b), (c) और (e)

91394351036. केवल (d) और (e)

Question Number : 10 Question Id : 91394312989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Match the type of validity with its major source of problem :

(a)	Construct validity	(i)	Faulty or poor measure, resulting in mislabelling/misinterpreting behaviour
(b)	External validity	(ii)	Treatment and no-treatment groups were unequal before the study began
(c)	Internal validity	(iii)	Sample of participants was not representative

Code :

(a) (b) (c)

Options :

91394351037. (i) (ii) (iii)

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91394351038. (i) (iii) (ii)

91394351039. (iii) (i) (ii)

91394351040. (ii) (i) (iii)

Question Number : 10 Question Id : 91394312989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

वैधता और समस्या के मुख्य स्रोत को सुमेलित कीजिए :

(a)	निर्माण वैधता	(i)	व्यतिक्रम या खराब मापक जिसके परिणामस्वरूप गलत संकेतन/दु:निर्वचन होता है
(b)	बाह्य वैधता	(ii)	व्यवहार और अ-व्यवहार समूह अध्ययन आरंभ होने से पूर्व असमान थे
(c)	अभ्यंतरिक वैधता	(iii)	प्रतिभागियों का निदर्श प्रतिनिधात्मक नहीं था

कूट :

(a) (b) (c)

Options :

91394351037. (i) (ii) (iii)

91394351038. (i) (iii) (ii)

91394351039. (iii) (i) (ii)

91394351040. (ii) (i) (iii)

Sub-Section Number: 2
Sub-Section Id: 913943661
Question Shuffling Allowed : Yes

Question Id : 91394312990 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (11 to 15)

Question Label : Comprehension

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Read the passage carefully and answer questions from **11 to 15** :

The phrase 'public diplomacy' reflects multiple viewpoints and ideas and hence, does not possess a unique, well-established conceptualisation. Yet, in simple words public diplomacy is the influence of nation on foreign audiences. Public diplomacy may also be defined as 'direct communication with foreign peoples, with the aim of affecting their thinking and ultimately, that of their governments'. Hence, public diplomacy can be thought of as a process of a nation listening and understanding the needs of other countries and communicating its viewpoint to eventually build relationships. Public diplomacy is based on the identity and reputation of a nation that is dictated by many factors : political, social, economic and cultural. Trust has been highlighted as the most important factor necessary to initiate a conversation, sustain a dialogue and build relationships. The focus on developing relationships is also indicated in the definition of public diplomacy as 'the process by which direct relations are pursued with a country's people to advance the interests and extend the values of those being represented'. It is also highlighted that engagement and dialogue as key indicators of developing relationships in public diplomacy. "Effective public diplomacy is a two-way street with reciprocal influence on both the source and receiver involved in the ongoing communication process". The ongoing communication process leads to developing lasting relationships with a foreign audience that bestows nations with soft power. Soft power is an advantage in world affairs and incites admiration and respect in other parts of the world. The soft power of a country is defined by three factors : its culture, political values and foreign policies. All these factors primarily rest on its ability to shape preference of others by using strategic communication skills. We must remember that public diplomacy is not a public relations campaign, but to create on enabling environment for government policies.

Sub questions

Question Number : 11 Question Id : 91394312991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Indentify the objective of public diplomacy.

Options :

91394351041. Influence the nation

91394351042. Communicate directly with people

91394351043. Affect the thinking of foreign governments

91394351044. Conceptualise national listening

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Question Number : 12 Question Id : 91394312992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What factors impact the identity of a nation ?

Options :

91394351045. Political, social, economic and cultural

91394351046. National reputation

91394351047. Foreign audience

91394351048. Different ideas

Question Number : 13 Question Id : 91394312993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Direct relations are necessary with a country to :

Options :

91394351049. Pursue vested interest

91394351050. Influence the communication source

91394351051. Advance the representative values

91394351052. Highlight the key indicators

Question Number : 14 Question Id : 91394312994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The ongoing communication process will provide :

Options :

91394351053. Development of foreign audience

91394351054. Advantageous soft power

91394351055. Admiration for other countries

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91394351056. Imposition of cultural values on others

Question Number : 15 Question Id : 91394312995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What does the passage declare ?

(a) Public diplomacy is not for indirect relations with other countries.

(b) Public diplomacy builds relations with other countries.

(c) Trust is needed to sustain a dialogue.

(d) Strategic communication skills will help shape others' preference.

(e) Public diplomacy is not public relations.

(f) Soft power is not used to have a role in world affairs.

Code :

Options :

91394351057. (a), (b), (c) and (d)

91394351058. (b), (d), (e) and (f)

91394351059. (a), (d), (e) and (f)

91394351060. (b), (c), (d) and (e)

Question Id : 91394312990 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (11 to 15)

Question Label : Comprehension

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गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्न संख्या 11 से 15 तक के उत्तर दीजिए :

''सरकारी कूटनीति'' पद से विविध विचार और दृष्टिकोण परिलक्षित होते हैं और इस प्रकार इसमें विशिष्ट, सुस्थापित अवधारणा सन्निहित नहीं है। तथापि, सरल शब्दों में सरकारी कूटनीति से विदेशी श्रोताओं पर राष्ट्र का प्रभाव अभिप्रेत है। सरकारी कूटनीति की परिभाषा ''विदेशी व्यक्तियों के चिंतन और अंतत्वोगत्वा उनकी सरकारों को प्रभावित करने के उद्देश्य'' से उनके साथ प्रत्यक्ष संवाद के रूप में भी दी जा सकती है। अत: सरकारी कूटनीति को किसी राष्ट्र द्वारा अन्य देशों की बात सुनने और उनकी आवश्यकताओं को समझने और अंतत: संबंध स्थापित करने के उद्देश्य से अपने विचार संप्रेषित करने की प्रक्रिया के रूप में भी समझा जा सकता है। सरकारी कूटनीति किसी भी राष्ट्र की अस्मिता और पहचान पर आधारित होती है जो बहुत से कारकों आर्थात् राजनीतिक, सामाजिक, आर्थिक और सांस्कृतिक घटकों से प्रभावित होता है। बातचीत शुरू करने, संवाद को जारी रखने और संबंध बनाने के लिए विश्वास को एक अनिवार्य कारक के रूप में उजागर किया गया है। सरकारी कूटनीति की परिभाषा में संबंध विकसित करने पर जोर दिए जाने को भी ऐसी प्रक्रिया के रूप में निरूपित किया गया है जिससे देश की जनता के साथ प्रत्यक्ष संबंधों का अनुसरण किया जाता है ताकि जिन व्यक्तियों का प्रतिनिधित्व किया जा रहा है, उनके हितों और मूल्यों को बढ़ावा दिया जा सके। इस बात को भी उजागर किया गया है कि सरकारी कूटनीति में संबंधों को विकसित करने के लिए संपर्क और संवाद महत्त्वपूर्ण निरूपक हैं। ''प्रभावी सरकारी कूटनीति एक उभयदिशीय मार्ग है जिसमें स्रोत और जारी संचार प्रक्रिया में शामिल प्राप्तकर्ता दोनों पर परस्पर प्रभाव पड़ता है।'' जारी संवाद की प्रक्रिया के फलस्वरूप विदेशी श्रोतागण के साथ चिरकालिक संबंध स्थापित हो पाता है जिससे राष्ट्रों को मृदु शक्ति प्राप्त होती है। मृदु शक्ति वैश्विक मामलों में लाभकारी होती है जिससे विश्व के अन्य हिस्से में प्रशंसा और सम्मान का भाव उत्पन्न होता है। किसी देश की मृदु शक्ति तीन कारकों–इसकी संस्कृति, राजनीतिक मूल्य और विदेशी नीतियों से परिभाषित होती है। ये सभी कारक मुख्यत: रणनीतिक संचार कौशल का उपयोग करते हुए अन्य देशों की अधिमान्यता को स्वरूप प्रदान करने में इसकी अभियोग्यता पर आधरित है। हमें स्मरण रखना चाहिए कि सरकारी कूटनीति जनसम्पर्क अभियान नहीं है बल्कि इसका प्रयोजन सरकारी नीतियों के लिए समर्थकारी वातावरण का निर्माण करना है।

Sub questions

Question Number : 11 Question Id : 91394312991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

सरकारी कूटनीति के उद्देश्य को पहचानिए :

Options :

91394351041. राष्ट्र को प्रभावित करना

91394351042. जनता के साथ प्रत्यक्ष संवाद

91394351043. विदेशी सरकारों की सोच को प्रभावित करना

91394351044. राष्ट्रीय श्रवण की अवधारणा का निर्माण करना

Question Number : 12 Question Id : 91394312992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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किन कारकों से किसी राष्ट्र की पहचान प्रभावित होती है?

Options :

91394351045. राजनीतिक, सामाजिक, आर्थिक और सांस्कृतिक

91394351046. राष्ट्रीय अस्मिता

91394351047. विदेशी श्रोतागण

91394351048. विभिन्न विचार

Question Number : 13 Question Id : 91394312993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नलिखित में से किस प्रयोजनार्थ किसी देश के साथ प्रत्यक्ष संबंध आवश्यक है?

Options :

91394351049. निहित स्वार्थ हित साधन के लिए

91394351050. संचार के स्रोत को प्रभावित करने के लिए

91394351051. प्रतिनिधात्मक मूल्य को बढ़ावा देने के लिए

91394351052. महत्वपूर्ण निरूपकों को उजागर करने के लिए

Question Number : 14 Question Id : 91394312994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

जारी संचार प्रक्रिया के फलस्वरूप :

Options :

91394351053. विदेशी श्रोता समूह का निर्माण होगा

91394351054. लाभकारी मृदु शक्ति उत्पन्न होगी

91394351055. अन्य देशों के प्रति सराहना का भाव उत्पन्न होगा

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अन्य देशों पर सांस्कृतिक मूल्यों का अध्यारोपण होगा

91394351056.

Question Number : 15 Question Id : 91394312995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

इस गद्यांश से क्या निष्कर्ष निकलता है?

(a) सरकारी कूटनीति अन्य देशों के साथ अप्रत्यक्ष संबंध के निमित्त नहीं है।

(b) सरकारी कूटनीति से अन्य देशों के साथ संबंध का निर्माण होता है।

(c) किसी भी वार्ता को जारी रखने के लिए न्यास अपेक्षित है।

(d) रणनीतिक संचार कौशल से अन्य देशों की अधिमान्यता को स्वरूप प्रदान करने में मदद मिलेगी।

(e) सरकारी कूटनीति लोक संबंध नहीं है।

(f) मृदु शक्ति का प्रयोग वैश्विक मामलों में भूमिका के निमित्त नहीं है।

कूट :

Options :

91394351057. (a), (b), (c) और (d)

91394351058. (b), (d), (e) और (f)

91394351059. (a), (d), (e) और (f)

91394351060. (b), (c), (d) और (e)

Sub-Section Number: 3
Sub-Section Id: 913943662
Question Shuffling Allowed : Yes

Question Number : 16 Question Id : 91394312996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Persuasive communication in a classroom intends to make people accept a particular :

Options :

91394351061. Verbal noise

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91394351062. Verbal jugglery

91394351063. Position

91394351064. Disorientation

Question Number : 16 Question Id : 91394312996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एक कक्षा में प्रत्ययकारी संप्रेषण का उद्देश्य लोगों को एक विशेष प्रकार का/की _____ स्वीकार कराना होता है।

Options :

91394351061. शाब्दिक ध्वनि

91394351062. शाब्दिक करतब

91394351063. अवस्था

91394351064. आत्मविस्मृति

Question Number : 17 Question Id : 91394312997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Effective communication inside the classroom leads to :

(a) Problem - solving strategies

(b) Intensive - knowledge

(c) Extensive - knowledge

(d) Uncontrolled discourses

(e) Vertical communication

Code :

Options :

91394351065. (a), (b) and (c)

91394351066. (b), (c) and (d)

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91394351067. (c), (d) and (e)

91394351068. (d), (e) and (a)

Question Number : 17 Question Id : 91394312997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

कक्षा में प्रभावी संप्रेषण से क्या उपलब्धि होती है?

(a) समस्या–समाधान रणनीति

(b) गहन ज्ञान

(c) विस्तृत ज्ञान

(d) अनियंत्रित चर्चायें

(e) लम्बवत संप्रेषण

कूट :

Options :

91394351065. (a), (b) और (c)

91394351066. (b), (c) और (d)

91394351067. (c), (d) और (e)

91394351068. (d), (e) और (a)

Question Number : 18 Question Id : 91394312998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Educational broadcasting suffers from the factor of :

Options :

91394351069. Extended interactivity

91394351070. Automated communication

91394351071. Attention span

91394351072. Internal-external monopoly

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Question Number : 18 Question Id : 91394312998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

शैक्षिक प्रसारण में निम्नांकित में से किस कारक की समस्या है?

Options :

91394351069. विस्तारित अंत:क्रियाकलाप

91394351070. स्वचालित संप्रेषण

91394351071. ध्यान अवधि

91394351072. आंतरिक-बाह्य एकाधिकार

Question Number : 19 Question Id : 91394312999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Assertion (A) : Questioning is a primary tool of classroom communication for teachers when they lead discussions.

Reason (R) : Student learning is the major motive of teachers, made possible by questions and answers.

Code :

Options :

91394351073. Both **(A)** and **(R)** are true.

91394351074. Both **(A)** and **(R)** are true, but **(R)** is not the correct explanation of **(A)**.

91394351075. **(A)** is true, but **(R)** is false.

91394351076. **(A)** is false, but **(R)** is true.

Question Number : 19 Question Id : 91394312999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

अभिकथन (A) : शिक्षकों के लिए कक्षा-गत संप्रेषण हेतु चर्चाओं के दौरान प्रश्न पूछना एक प्राथमिक युक्ति है।

तर्क (R) : विद्यार्थी का अधिगम शिक्षकों का प्रमुख ध्येय होता है जिसे प्रश्नों और उत्तरों के माध्यम से संभव बनाया जाता है।

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Options :

91394351073. **(A)** और **(R)** दोनों सही हैं।

91394351074. **(A)** और **(R)** दोनों सही हैं, किंतु **(R)**, **(A)** की सही व्याख्या नहीं है।

91394351075. **(A)** सही है, किंतु **(R)** सही नहीं है।

91394351076. **(A)** सही नहीं है, किंतु **(R)** सही है।

Question Number : 20 Question Id : 91394313000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

When students and teachers involve in communication, the purposes are :

(a) To develop professional working relationship.

(b) To create a participatory environment in the classroom.

(c) To engage in out-of-classroom interaction.

(d) To seek teachers' intervention in personal matters.

(e) To control teachers' attitude towards students.

Code :

Options :

91394351077. (a), (b) and (c)

91394351078. (a), (d) and (e)

91394351079. (b), (c) and (d)

91394351080. (c), (d) and (e)

Question Number : 20 Question Id : 91394313000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

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जब छात्र और शिक्षक संप्रेषण में शामिल होते हैं, तो उसका उद्देश्य होता है :

(a) अध्यव्यवसायी क्रियात्मक संबंध विकसित करने के लिए।

(b) कक्षा में सहभागी परिवेश बनाने के लिए।

(c) कक्षा के बाहर की अंत:क्रिया में भाग लेने के लिए।

(d) निजी मामलों में शिक्षक का हस्तक्षेप प्राप्त करने के लिए।

(e) छात्रों के प्रति शिक्षकों के व्यवहार के नियंत्रित करने के लिए।

कूट :

Options :

91394351077. (a), (b) और (c)

91394351078. (a), (d) और (e)

91394351079. (b), (c) और (d)

91394351080. (c), (d) और (e)

Question Number : 21 Question Id : 91394313001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If HYDERABAD is coded as DABAREDYH, then BENGALURU will be coded as :

Options :

91394351081. XYPQRSTUB

91394351082. UXURULCAB

91394351083. URULAGNEB

91394351084. BDEFGHIJK

Question Number : 21 Question Id : 91394313001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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यदि HYDERABAD को DABAREDYH के रूप में कूटबद्ध किया जाता है, तो BENGALURU का कूट क्या होगा ?

Options :

91394351081. XYPQRSTUB

91394351082. UXURULCAB

91394351083. URULAGNEB

91394351084. BDEFGHIJK

Question Number : 22 Question Id : 91394313002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The next term in the number series 10, 13, 22, 49, ___?___ .

Options :

91394351085. 89

91394351086. 126

91394351087. 97

91394351088. 130

Question Number : 22 Question Id : 91394313002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

10, 13, 22, 49, ___?___ की शृंखला में अगला अंक होगा :

Options :

91394351085. 89

91394351086. 126

91394351087. 97

91394351088. 130

Question Number : 23 Question Id : 91394313003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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The next term in the letter series EE, GG, IJ, KN, MS, ___?___.

Options :

91394351089. OO

91394351090. OY

91394351091. YO

91394351092. XY

Question Number : 23 Question Id : 91394313003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

वर्ण श्रृंखला EE, GG, IJ, KN, MS, ___?___ में अगला पद होगा :

Options :

91394351089. OO

91394351090. OY

91394351091. YO

91394351092. XY

Question Number : 24 Question Id : 91394313004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Choose the word which is different from the rest :

Options :

91394351093. Write

91394351094. Knowledge

91394351095. Read

91394351096. Learn

Question Number : 24 Question Id : 91394313004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

समूह के विषम शब्द को चुनें :

Options :

91394351093. लिखना

91394351094. ज्ञान

91394351095. पढ़ना

91394351096. सीखना

Question Number : 25 Question Id : 91394313005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Pointing to a woman, a man siad, "Her father is the only son of my father". How is the man related to the woman ?

Options :

91394351097. Father-in-law of the woman

91394351098. Father of the woman

91394351099. Brother of the woman

91394351100. Brother-in-law of the woman

Question Number : 25 Question Id : 91394313005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एक महिला की ओर इंगित करते हुए एक पुरुष ने कहा, ''उसके पिता मेरे पिता के एक मात्र पुत्र है।'' वह पुरुष उस महिला से कैसे संबंधित है?

Options :

91394351097. महिला का ससुर

91394351098. महिला का पिता

91394351099. महिला का भाई

91394351100. महिला का ब्रदर-इन-लॉ

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Question Number : 26 Question Id : 91394313006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two premises (a) and (b). Four conclusions are drawn from them. Select the code that states validly drawn conclusion(s) [taking the premises individually or jointly].

Premises :

(a) All diamonds are precious stones.

(b) Some carbon compounds are diamonds.

Conclusions :

(i) All precious stones are diamonds.

(ii) Some non-carbon compounds are precious stones.

(iii) All precious stones are carbon compounds.

(iv) Some carbon compounds are precious stones.

Code :

Options :

91394351101. (i) and (iv)

91394351102. (ii) and (iv)

91394351103. (iii) only

91394351104. (iv) only

Question Number : 26 Question Id : 91394313006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

नीचे दो आधारवाक्य (a) और (b) दिए गए हैं। इनमें से चार निष्कर्ष निकाले गए हैं। उस कूट का चयन कीजिए जो निष्कर्ष से उचित रूप से उद्धृत है [आधारवाक्य को एकल अथवा संयुक्त रूप से लेते हुए]।

आधारवाक्य :

(a) सभी हीरे बेशकीमती पत्थर हैं।

(b) कुछ कार्बन यौगिक हीरे हैं।

निष्कर्ष :

(i) सभी बेशकीमती पत्थर हीरे हैं।

(ii) कुछ अकार्बनिक यौगिक बेशकीमती पत्थर हैं।

(iii) सभी बेशकीमती पत्थर कार्बन यौगिक हैं।

(iv) कुछ कार्बन यौगिक बेशकीमती पत्थर हैं।

कूट :

Options :

91394351101. (i) और (iv)

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91394351102. (ii) और (iv)

91394351103. केवल (iii)

91394351104. केवल (iv)

Question Number : 27 Question Id : 91394313007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Validity in logical reasoning refers to :

(a) Any simple single proposition

(b) Relation between premises and conclusions

(c) The conclusion alone

(d) Truth of the premises

Select the **correct** code from below :

Options :

91394351105. (a) and (b)

91394351106. (b) and (c)

91394351107. (b) alone

91394351108. (d) alone

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Question Number : 27 Question Id : 91394313007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

तर्कशक्ति परीक्षण की वैधता निम्नलिखित में से किससे संबंधित है?

(a) कोई सरल एकल विचार

(b) आधारवाक्य और निष्कर्ष के बीच संबंध

(c) केवल निष्कर्ष

(d) आधारवाक्य की सच्चाई

नीचे दिए गए विकल्प में से **सही** कूट चुनिए :

Options :

91394351105. (a) और (b)

91394351106. (b) और (c)

91394351107. केवल (b)

91394351108. केवल (d)

Question Number : 28 Question Id : 91394313008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In a valid deductive argument, if the premises are **true**, then :

Options :

91394351109. Conclusion must be false.

91394351110. Conclusion can be probably true.

91394351111. Conclusion must be true.

91394351112. Conclusion may some times be true.

Question Number : 28 Question Id : 91394313008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

किसी वैध निगमनात्मक तर्क में यदि आधारवाक्य **सही** हों, तो :

Options :

91394351109. निष्कर्ष अवश्य असत्य होना चाहिए।

91394351110. निष्कर्ष संभवत: सत्य हो सकते हैं।

91394351111. निष्कर्ष अनिवार्यत: सत्य होना चाहिए।

91394351112. निष्कर्ष कभी-कभी सत्य हो सकता है।

Question Number : 29 Question Id : 91394313009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Identify the reasoning in the following argument :
"A person without a goal is like a computer without a program".

Options :

91394351113. Hypothetical

91394351114. Deductive

91394351115. Inductive

91394351116. Analogical

Question Number : 29 Question Id : 91394313009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नलिखित तर्क में से तर्कशक्ति को पहचानिए :

''लक्ष्यहीन व्यक्ति ऐसे कंप्यूटर की तरह है जिसमें कोई प्रोग्राम नहीं हो।''

Options :

91394351113. परिकाल्पनिक

91394351114. निगमनात्मक

91394351115. आगमनात्मक

91394351116. सादृश्यपरक

Question Number : 30 Question Id : 91394313010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Among the following statements two are contradictory to each other. Select the code that represents them :

Statements :

(a) All judges are lawyers.

(b) Some judges are lawyers.

(c) Some judges are not lawyers.

(d) No judges are lawyers.

Code :

Options :

91394351117. (a) and (b)

91394351118. (a) and (c)

91394351119. (a) and (d)

91394351120. (b) and (d)

Question Number : 30 Question Id : 91394313010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

दिए गए कथनों में दोनों एक दूसरे के द्वन्द्वात्मक हैं। इन्हें निरूपित करनेवाले कूट को चुनिए :

कथन :

(a) सभी न्यायाधीश वकील हैं।

(b) कुछ न्यायाधीश वकील हैं।

(c) कुछ न्यायाधीश वकील नहीं हैं।

(d) कोई न्यायाधीश वकील नहीं है।

कूट :

Options :

91394351117. (a) और (b)

91394351118. (a) और (c)

91394351119. (a) और (d)

91394351120. (b) और (d)

Sub-Section Number:	4
Sub-Section Id:	913943663
Question Shuffling Allowed :	Yes

Question Id : 91394313011 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (31 to 35)

Question Label : Comprehension

Name of the Teacher	Number of classes taken by the teacher daily		Remuneration per class
	On Monday, Tuesday and Wednesday	On Thursday and Friday	
A	2	0	₹ 5000
B	3	-	₹ 8000
C	1	3	₹ 6000
D	2	2	₹ 4000
E	3	1	₹ 3000

The above table shows the number of classes taken by each teacher in different days of the week and the remuneration per class per teacher. Saturdays and Sundays are holidays. Based on the above data, answer the questions given below. One cell is empty and you may need to calculate it depending upon the information available in the question.

Sub questions

Question Number : 31 Question Id : 91394313012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is the total remuneration earned by teacher E in one week ?

Options :

91394351121. ₹ 12,000

91394351122. ₹ 9,000

91394351123. ₹ 23,000

91394351124. ₹ 33,000

Question Number : 32 Question Id : 91394313013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In one week, teacher B earned ₹ 72,000. How many hours of classes did he take on Thursday and Friday ?

Options :

91394351125. 0

91394351126. 1 hr. daily

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91394351127. 2 hrs. daily

91394351128. 3 hrs. daily

Question Number : 33 Question Id : 91394313014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The ratio of the total weekly earning of teacher A to the total weekly earning of teacher D is :

Options :

91394351129. 5 : 6

91394351130. 5 : 4

91394351131. 3 : 4

91394351132. 5 : 8

Question Number : 34 Question Id : 91394313015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The total amount spent by the teaching institute for paying remuneration to all the teachers for taking classes on Monday only is :

Options :

91394351133. ₹ 57,000

91394351134. ₹ 58,000

91394351135. ₹ 47,000

91394351136. ₹ 52,000

Question Number : 35 Question Id : 91394313016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Assume that 4 weeks constitute a month. What will be teacher D's earnings in a month ?

Options :

91394351137. ₹ 1,60,000

91394351138. ₹ 40,000

91394351139. ₹ 1,20,000

91394351140. ₹ 16,000

Question Id : 91394313011 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (31 to 35)

Question Label : Comprehension

शिक्षक के नाम	शिक्षक द्वारा दैनिक कक्षा की संख्या		प्रति वर्ग पारिश्रमिक
	सोमवार, मंगलवार और बुधवार	गुरुवार और शुक्रवार	
A	2	0	₹ 5000
B	3	-	₹ 8000
C	1	3	₹ 6000
D	2	2	₹ 4000
E	3	1	₹ 3000

उपर्युक्त तालिका में प्रत्येक शिक्षक द्वारा सप्ताह के अलग-अलग दिनों में ली गई कथाओं और प्रति वर्ग प्रति शिक्षक पारिश्रमिक का उल्लेख किया गया है। शनिवार और रविवार अवकाश के दिन हैं।

उपर्युक्त आँकड़ों के आधार पर, नीचे दिए गए प्रश्नों के उत्तर दीजिए। एक प्रकोष्ठ खाली है और आपको प्रश्न में उपलब्ध सूचना के आधार पर परिकलन करना पड़ सकता है।

Sub questions

Question Number : 31 Question Id : 91394313012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एक सप्ताह में शिक्षक E द्वारा अर्जित कुल पारिश्रमिक है :

Options :

91394351121. ₹ 12,000

91394351122. ₹ 9,000

91394351123. ₹ 23,000

91394351124. ₹ 33,000

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Question Number : 32 Question Id : 91394313013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एक सप्ताह में शिक्षक B ने ₹ 72,000 अर्जित किया। गुरुवार और शुक्रवार को उसने कितने घंटे कक्षाएँ लीं?

Options :

91394351125. 0

91394351126. 1 घंटा प्रतिदिन

91394351127. 2 घंटे प्रतिदिन

91394351128. 3 घंटे प्रतिदिन

Question Number : 33 Question Id : 91394313014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

शिक्षक A और शिक्षक D द्वारा कुल साप्ताहिक अर्जित आय का अनुपात है :

Options :

91394351129. 5 : 6

91394351130. 5 : 4

91394351131. 3 : 4

91394351132. 5 : 8

Question Number : 34 Question Id : 91394313015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

केवल सोमवार को कक्षा लेने के बदले सभी शिक्षकों को वेतन की संदायगी करने के लिए शिक्षण संस्थान द्वारा व्यय कुल धनराशि है :

Options :

91394351133. ₹ 57,000

91394351134. ₹ 58,000

91394351135. ₹ 47,000

91394351136. ₹ 52,000

Question Number : 35 Question Id : 91394313016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

मान लीजिए कि एक माह में 4 सप्ताह हैं। एक माह में शिक्षक D की अर्जित आय होगी :

Options :

91394351137. ₹ 1,60,000

91394351138. ₹ 40,000

91394351139. ₹ 1,20,000

91394351140. ₹ 16,000

Sub-Section Number:	5
Sub-Section Id:	913943664
Question Shuffling Allowed :	Yes

Question Number : 36 Question Id : 91394313017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following are Operating Systems ?

(a) UNIX (b) Ubuntu (c) Mac (d) Ada

Code:

Options :

91394351141. Only (a) and (c)

91394351142. Only (a), (c) and (d)

91394351143. Only (a), (b) and (c)

91394351144. Only (b) and (d)

Question Number : 36 Question Id : 91394313017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नांकित में से कौन ऑपरेटिंग सिस्टम हैं?

(a) यूनिक्स (b) उबंटू (c) मैक (d) एडा

कूट :

Options :

91394351141. सिर्फ (a) और (c)

91394351142. सिर्फ (a), (c) और (d)

91394351143. सिर्फ (a), (b) और (c)

91394351144. सिर्फ (b) और (d)

Question Number : 37 Question Id : 91394313018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

IRC is the acronym of :

Options :

91394351145. International Relay Chat

91394351146. Internet Related Commerce

91394351147. Internet Relay Chat

91394351148. Information Relay Centre

Question Number : 37 Question Id : 91394313018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

आई.आर.सी. किसका शब्द-संक्षेप है?

Options :

91394351145. इंटरनैशनल रिले चैट

91394351146. इंटरनेट रिलेटेड कॉमर्स

91394351147. इंटरनेट रिले चैट

91394351148. इन्फॉर्मेशन रिले सेंटर

Question Number : 38 Question Id : 91394313019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 2 Wrong Marks : 0

MIME stands for :

Options :

91394351149. Multipurpose Internet Mail Extensions

91394351150. Multipurpose Internet Mail Entity

91394351151. Multiple Internet Mail Extensions

91394351152. Multiple Internet Mail Entities

Question Number : 38 Question Id : 91394313019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

एम.आई.एम.ई. का क्या अर्थ है?

Options :

91394351149. मल्टीपरपस इंटरनेट मेल एक्सटेंशन्स

91394351150. मल्टीपरपस इंटरनेट मेल एंटिटी

91394351151. मल्टीपल इंटरनेट मेल एक्सटेंशन्स

91394351152. मल्टीपल इंटरनेट मेल एंटिटीज

Question Number : 39 Question Id : 91394313020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is a short-cut to "Undo Typing" ?

Options :

91394351153. Ctrl + P

91394351154. Ctrl + Y

91394351155. Ctrl + Z

91394351156. Ctrl + S

Question Number : 39 Question Id : 91394313020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नांकित में से कौन ''अनडू टाइपिंग'' का शॉर्टकट है?

Options :

91394351153. कंट्रोल + पी

91394351154. कंट्रोल + वाई

91394351155. कंट्रोल + जेड

91394351156. कंट्रोल + एस

Question Number : 40 Question Id : 91394313021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

At which layer of OSI Model of Networking, HTTP works ?

Options :

91394351157. Physical Layer

91394351158. Transport Layer

91394351159. Network Layer

91394351160. Application Layer

Question Number : 40 Question Id : 91394313021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

नेटवर्किंग के ओ.एस.आई. मॉडल के किस स्तर पर, एच.टी.टी.पी. कार्य करता है?

Options :

91394351157. भौतिक स्तर (फिजिकल लेयर)

91394351158. परिवहन स्तर (ट्रांसपोर्ट लेयर)

91394351159. नेटवर्क स्तर (नेटवर्क लेयर)

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91394351160. अनुप्रयोग स्तर (एप्लीकेशन लेयर)

Question Number : 41 Question Id : 91394313022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Consider the following agricultural practices :

(a) Contour bunding

(b) Relay cropping

(c) Zero tillage

In the context of global climatic change, which of them help/helps in carbon sequestration/storage in the soil ?

Options :

91394351161. (a) and (b) only

91394351162. (c) only

91394351163. (a) and (c) only

91394351164. (a), (b) and (c)

Question Number : 41 Question Id : 91394313022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नलिखित कृषि पद्धति पर विचार कीजिए :

(a) जल-प्रवाह अवरोधक सीमा

(b) रिले फसल

(c) शून्य जोत

वैश्विक जलवायु परिवर्तन के संदर्भ में इनमें से किससे /किनसे मृदा में कार्बन पृथक्करण/भंडारण में मदद मिलती है?

Options :

91394351161. केवल (a) और (b)

91394351162. केवल (c)

91394351163. केवल (a) और (c)

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91394351164. (a), (b) और (c)

Question Number : 42 Question Id : 91394313023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Find the odd one from below :

Options :

91394351165. Perceiving

91394351166. Listening

91394351167. Inferring

91394351168. Comprehending

Question Number : 42 Question Id : 91394313023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

विषम को चुनिये :

Options :

91394351165. प्रत्यक्षीकरण (पर्सिविंग)

91394351166. श्रवण

91394351167. अनुमान (इनफरेंस)

91394351168. बोध

Question Number : 43 Question Id : 91394313024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Largest amount of freshwater is present in :

Options :

91394351169. Lakes

91394351170. Rivers

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91394351171. Glaciers

91394351172. Polar ice

Question Number : 43 Question Id : 91394313024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

ताजा पानी की सर्वाधिक मात्रा विद्यमान होती है :

Options :

91394351169. झील में

91394351170. नदियों में

91394351171. ग्लेशियर में

91394351172. ध्रुवीय बर्फ में

Question Number : 44 Question Id : 91394313025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Least polluting energy generating technique among the following is :

Options :

91394351173. Magneto-hydrodynamic

91394351174. Thermal power

91394351175. Fission based nuclear energy

91394351176. Photovoltaic

Question Number : 44 Question Id : 91394313025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

निम्नलिखित में न्यूनतम प्रदूषण उत्पन्न करनेवाली ऊर्जा उत्पादक तकनीक है :

Options :

91394351173. मैग्नेटो–हाइड्रोडायनामिक

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91394351174. थर्मल पावर

91394351175. फिशन आधारित नाभिकीय ऊर्जा

91394351176. फोटोवोल्टिक

Question Number : 45 Question Id : 91394313026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Assertion (A) : Hails damage the standing crops.

Reason (R) : In India, hails occur only during the winter season.

Code :

Options :

91394351177. Both **(A)** and **(R)** are true and **(R)** is the correct explanation of **(A)**.

91394351178. Both **(A)** and **(R)** are true and **(R)** is not the correct explanation of **(A)**.

91394351179. **(A)** is true, but **(R)** is false.

91394351180. **(A)** is false, but **(R)** is true.

Question Number : 45 Question Id : 91394313026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

अभिकथन (A) : ओलावृष्टि से लगी हुई फसल नष्ट होती है।

कारण (R) : भारत में ओलावृष्टि केवल जाड़े के मौसम में होती है।

कूट :

Options :

91394351177. **(A)** और **(R)** दोनों सही हैं और **(R)**, **(A)** की सही व्याख्या है।

91394351178. **(A)** और **(R)** दोनों सही हैं और **(R)**, **(A)** की सही व्याख्या नहीं है।

91394351179. **(A)** सही है, किन्तु **(R)** गलत है।

91394351180. **(A)** गलत है, किन्तु **(R)** सही है।

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Question Number : 46 Question Id : 91394313027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Who was the Chairman of Secondary Education Commission set up in 1952 ?

Options :

91394351181. Dr. B.R. Ambedkar

91394351182. Sh. K.C. Pant

91394351183. Dr. A.L. Mudaliar

91394351184. Dr. S. Radhakrishnan

Question Number : 46 Question Id : 91394313027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

1952 में स्थापित द्वितीय शिक्षा आयोग के अध्यक्ष कौन थे?

Options :

91394351181. डॉ. बी.आर. अम्बेडकर

91394351182. श्री के.सी. पंत

91394351183. डॉ. ए.एल. मुदलियार

91394351184. डॉ. एस. राधाकृष्णन

Question Number : 47 Question Id : 91394313028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Match **Set - I** with **Set - II** :

Set - I (Regulatory body)		**Set - II (Field of regulation)**
(a)	NCTE	(i) Law
(b)	BCI	(ii) Architecture
(c)	COA	(iii) Professional courses
(d)	NBA	(iv) Teacher education

Code :

(a) (b) (c) (d)

Options :

91394351185. (ii) (iii) (iv) (i)

91394351186. (iv) (i) (ii) (iii)

91394351187. (i) (iv) (iii) (ii)

91394351188. (iii) (iv) (i) (ii)

Question Number : 47 Question Id : 91394313028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

समूह - I का समूह–II से मिलान करें :

समूह - I (विनियामक निकाय)		**समूह - II (विनियमन का क्षेत्र)**
(a)	एन सी टी ई	(i) विधि
(b)	बी सी आई	(ii) वास्तुकला
(c)	सी ओ ए	(iii) व्यावसायिक पाठ्यक्रम
(d)	एन बी ए	(iv) अध्यापक प्रशिक्षण

कूट :

(a) (b) (c) (d)

Options :

91394351185. (ii) (iii) (iv) (i)

91394351186. (iv) (i) (ii) (iii)

91394351187. (i) (iv) (iii) (ii)

91394351188. (iii) (iv) (i) (ii)

Question Number : 48 Question Id : 91394313029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The LEAP programme of MHRD is aimed to train University faculties in :

Options :

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91394351189. Scientific research

91394351190. Academic leadership

91394351191. New technology

91394351192. Institutional economics

Question Number : 48 Question Id : 91394313029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

मानव संसाधन विकास मंत्रालय के LEAP कार्यक्रम का उद्देश्य विश्वविद्यालय शिक्षकवृन्द को निम्नांकित में से किस में प्रशिक्षित करना है?

Options :

91394351189. वैज्ञानिक शोध

91394351190. अकादमिक नेतृत्व

91394351191. नवीन प्रौद्योगिकी

91394351192. संस्थागत अर्थव्यवस्था

Question Number : 49 Question Id : 91394313030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The National Education Day is celebrated to commemorate the birth anniversary of :

Options :

91394351193. Dr. Zakir Hussain

91394351194. Justice Hidayathulla

91394351195. A.P.J. Abdul Kalam

91394351196. Maulana Abul Kalam Azad

Question Number : 49 Question Id : 91394313030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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राष्ट्रीय शिक्षा दिवस का आयोजन किसके जन्मदिवस पर किया जाता है?

Options :

91394351193. डॉ. जाकिर हुसैन

91394351194. जस्टिस हिदायतुल्ला

91394351195. ए.पी.जे. अब्दुल कलाम

91394351196. मौलाना अबुल कलाम आज़ाद

Question Number : 50 Question Id : 91394313031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

With reference to 'Right to Education' (RTE) which among the following is **correct** ?

Options :

91394351197. Making higher education upto 21 years of age a fundamental right.

91394351198. Providing free uniforms to students upto 18 years of age.

91394351199. No examination of students upto 14 years of age.

91394351200. Making elementary education upto 14 years of age a fundamental right.

Question Number : 50 Question Id : 91394313031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

'शिक्षा का अधिकार' (आर.टी.ई.) के बारे में निम्नांकित में से क्या **सही** है?

Options :

91394351197. 21 वर्ष की आयु तक उच्चतर शिक्षा को अनिवार्य बनाना।

91394351198. 18 वर्ष की आयु तक के विद्यार्थियों को नि:शुल्क पोशाक प्रदान करना।

91394351199. 14 वर्ष की आयु तक के विद्यार्थियों की परीक्षा नहीं लेना।

91394351200. 14 वर्ष की आयु तक प्राथमिक शिक्षा को अनिवार्य बनाना।

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Paper II

Group Number :	2
Group Id :	913943172
Group Maximum Duration :	120
Group Minimum Duration :	120
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	200

89 Environmental Sciences

Section Id :	913943172
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	100
Number of Questions to be attempted:	100
Section Marks:	200
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	913943665
Question Shuffling Allowed :	Yes

Question Number : 51 Question Id : 91394313032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

An inversion layer extends from ground surface to a height of 200 m. The temperature on the ground surface is 35°C. If the environmental lapse rate is 4·0°C per km, the temperature at the top of the layer is

Options :

91394351201. 35·8°C

91394351202. 34·2°C

91394351203. 43°C

91394351204. 27°C

Question Number : 51 Question Id : 91394313032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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An inversion layer extends from ground surface to a height of 200 m. The temperature on the ground surface is 35°C. If the environmental lapse rate is 4·0°C per km, the temperature at the top of the layer is

Options :

91394351201. 35·8°C

91394351202. 34·2°C

91394351203. 43°C

91394351204. 27°C

Question Number : 52 Question Id : 91394313033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Water vapour in an urban atmosphere is found to exert a pressure of 6·0 mb at 27°C. The density of water vapour is

Options :

91394351205. $\sim 4{\cdot}34 \times 10^{-3}\ kg/m^3$

91394351206. $\sim 1{\cdot}29 \times 10^{-3}\ kg/m^3$

91394351207. $\sim 2{\cdot}69 \times 10^{-3}\ kg/m^3$

91394351208. $\sim 6{\cdot}31 \times 10^{-3}\ kg/m^3$

Question Number : 52 Question Id : 91394313033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Water vapour in an urban atmosphere is found to exert a pressure of 6·0 mb at 27°C. The density of water vapour is

Options :

91394351205. $\sim 4{\cdot}34 \times 10^{-3}\ kg/m^3$

91394351206. $\sim 1{\cdot}29 \times 10^{-3}\ kg/m^3$

91394351207. $\sim 2{\cdot}69 \times 10^{-3}\ kg/m^3$

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91394351208. $\sim 6{\cdot}31 \times 10^{-3}\ kg/m^3$

Question Number : 53 Question Id : 91394313034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : **Stratosphere is a strongly layered structure.**

Reason (R) : **Stratosphere is neutrally stable.**

Code :

Options :

91394351209. **Both (A) and (R) are correct and (R) is the correct explanation of (A).**

91394351210. **Both (A) and (R) are correct, but (R) is not the correct explanation of (A).**

91394351211. **(A) is true, but (R) is false.**

91394351212. **(A) is false, but (R) is true.**

Question Number : 53 Question Id : 91394313034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : **Stratosphere is a strongly layered structure.**

Reason (R) : **Stratosphere is neutrally stable.**

Code :

Options :

91394351209. **Both (A) and (R) are correct and (R) is the correct explanation of (A).**

91394351210. **Both (A) and (R) are correct, but (R) is not the correct explanation of (A).**

91394351211. **(A) is true, but (R) is false.**

91394351212. **(A) is false, but (R) is true.**

Question Number : 54 Question Id : 91394313035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If the scale height for pressure in atmosphere is assumed to be 7 km, what will be the pressure at a height of 21 km above the ground surface ?

Options :

91394351213. $\sim 5 \times 10^3$ Pa

91394351214. $\sim 3{\cdot}3 \times 10^4$ Pa

91394351215. $\sim 1{\cdot}25 \times 10^4$ Pa

91394351216. $\sim 1{\cdot}11 \times 10^4$ Pa

Question Number : 54 Question Id : 91394313035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If the scale height for pressure in atmosphere is assumed to be 7 km, what will be the pressure at a height of 21 km above the ground surface ?

Options :

91394351213. $\sim 5 \times 10^3$ Pa

91394351214. $\sim 3{\cdot}3 \times 10^4$ Pa

91394351215. $\sim 1{\cdot}25 \times 10^4$ Pa

91394351216. $\sim 1{\cdot}11 \times 10^4$ Pa

Question Number : 55 Question Id : 91394313036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following types of motion contributes to vertical transport of latent and sensible heat in surface layer ?

Options :

91394351217. Thermals

91394351218. Deep convection

91394351219. Molecular conduction and diffusion

91394351220. Microscale turbulence

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Question Number : 55 Question Id : 91394313036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following types of motion contributes to vertical transport of latent and sensible heat in surface layer ?

Options :

91394351217. Thermals

91394351218. Deep convection

91394351219. Molecular conduction and diffusion

91394351220. Microscale turbulence

Question Number : 56 Question Id : 91394313037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : The natural systems are sustainable.

Reason (R) : Natural systems are reliant on Sun's energy.

Code :

Options :

91394351221. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351222. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351223. (A) is true, but (R) is false.

91394351224. (A) is false, but (R) is true.

Question Number : 56 Question Id : 91394313037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : The natural systems are sustainable.

Reason (R) : Natural systems are reliant on Sun's energy.

Code :

Options :

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91394351221. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351222. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351223. (A) is true, but (R) is false.

91394351224. (A) is false, but (R) is true.

Question Number : 57 Question Id : 91394313038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Alpine timberline in the snow clad mountainous regions varies with the latitude.

Reason (R) : Temperature and moisture at higher latitudes are the limiting factors.

Code :

Options :

91394351225. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351226. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351227. (A) is true, but (R) is false.

91394351228. (A) is false, but (R) is true.

Question Number : 57 Question Id : 91394313038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Alpine timberline in the snow clad mountainous regions varies with the latitude.

Reason (R) : Temperature and moisture at higher latitudes are the limiting factors.

Code :

Options :

91394351225. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351226. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

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91394351227. (A) is true, but (R) is false.

91394351228. (A) is false, but (R) is true.

Question Number : 58 Question Id : 91394313039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A student prepared a calibration curve by measuring the absorbance of five standard solutions of a compound at 300 nm. A cuvette with a path length of 5·0 cm was used in the spectrophotometer. The slope of the curve was 300·0 L mol^{-1}. The molar absorptivity of the compound is

Options :

91394351229. 5·0 L mol^{-1} cm^{-1}

91394351230. 60·0 L mol^{-1} cm^{-1}

91394351231. 1500·0 L mol^{-1} cm^{-1}

91394351232. 0·2 L mol^{-1} cm^{-1}

Question Number : 58 Question Id : 91394313039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A student prepared a calibration curve by measuring the absorbance of five standard solutions of a compound at 300 nm. A cuvette with a path length of 5·0 cm was used in the spectrophotometer. The slope of the curve was 300·0 L mol^{-1}. The molar absorptivity of the compound is

Options :

91394351229. 5·0 L mol^{-1} cm^{-1}

91394351230. 60·0 L mol^{-1} cm^{-1}

91394351231. 1500·0 L mol^{-1} cm^{-1}

91394351232. 0·2 L mol^{-1} cm^{-1}

Question Number : 59 Question Id : 91394313040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : The acid rain lowers the fertility of soil.

Reason (R) : Hydrogen ions exchange the nutrient anions.

Code :

Options :

91394351233. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351234. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351235. (A) is true, but (R) is false.

91394351236. (A) is false, but (R) is true.

Question Number : 59 Question Id : 91394313040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : The acid rain lowers the fertility of soil.

Reason (R) : Hydrogen ions exchange the nutrient anions.

Code :

Options :

91394351233. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351234. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351235. (A) is true, but (R) is false.

91394351236. (A) is false, but (R) is true.

Question Number : 60 Question Id : 91394313041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following analytical techniques can help elucidate an elemental fingerprint without the need to analyze the material destructively ?

Options :

91394351237. Spectrophotometry

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91394351238. Flame photometry

91394351239. Atomic Absorption spectroscopy

91394351240. X-ray fluorescence spectrometry

Question Number : 60 Question Id : 91394313041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following analytical techniques can help elucidate an elemental fingerprint without the need to analyze the material destructively ?

Options :

91394351237. Spectrophotometry

91394351238. Flame photometry

91394351239. Atomic Absorption spectroscopy

91394351240. X-ray fluorescence spectrometry

Question Number : 61 Question Id : 91394313042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Soil Horizons, while List II indicates Layers. Match the two lists and choose the correct answer from the code given below :

List I (Soil Horizons)	List II (Layers)
(a) O	(i) Parent Rock
(b) A	(ii) Organic Matter
(c) B	(iii) Surface Soil
(d) C	(iv) Subsoil

Code :

Options :

91394351241. (a)–(ii), (b)–(iii), (c)–(iv), (d)–(i)

91394351242. (a)–(i), (b)–(ii), (c)–(iii), (d)–(iv)

91394351243. (a)–(iii), (b)–(iv), (c)–(ii), (d)–(i)

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91394351244. (a)–(iv), (b)–(i), (c)–(ii), (d)–(iii)

Question Number : 61 Question Id : 91394313042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Soil Horizons, while List II indicates Layers. Match the two lists and choose the correct answer from the code given below :

List I (Soil Horizons)	List II (Layers)
(a) O	(i) Parent Rock
(b) A	(ii) Organic Matter
(c) B	(iii) Surface Soil
(d) C	(iv) Subsoil

Code :

Options :

91394351241. (a)–(ii), (b)–(iii), (c)–(iv), (d)–(i)

91394351242. (a)–(i), (b)–(ii), (c)–(iii), (d)–(iv)

91394351243. (a)–(iii), (b)–(iv), (c)–(ii), (d)–(i)

91394351244. (a)–(iv), (b)–(i), (c)–(ii), (d)–(iii)

Question Number : 62 Question Id : 91394313043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

pH of dust free and unpolluted rainwater is 5·6 due to dissolution of

Options :

91394351245. SO_2

91394351246. CO_2

91394351247. NO_2

91394351248. HO_2

Question Number : 62 Question Id : 91394313043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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pH of dust free and unpolluted rainwater is 5·6 due to dissolution of

Options :

91394351245. SO_2

91394351246. CO_2

91394351247. NO_2

91394351248. HO_2

Question Number : 63 Question Id : 91394313044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Among the gases : N_2, O_3, CO_2, SO_2, NO_x, CO, and O_2, the permanent atmospheric gases are

Options :

91394351249. N_2, O_2 and CO_2

91394351250. CO_2, SO_2 and NO_x

91394351251. N_2, O_2 and O_3

91394351252. N_2 and O_2

Question Number : 63 Question Id : 91394313044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Among the gases : N_2, O_3, CO_2, SO_2, NO_x, CO, and O_2, the permanent atmospheric gases are

Options :

91394351249. N_2, O_2 and CO_2

91394351250. CO_2, SO_2 and NO_x

91394351251. N_2, O_2 and O_3

91394351252. N_2 and O_2

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Question Number : 64 Question Id : 91394313045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The most photo stable species in troposphere is

Options :

91394351253. N_2O

91394351254. NO

91394351255. NO_2

91394351256. N_2O_4

Question Number : 64 Question Id : 91394313045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The most photo stable species in troposphere is

Options :

91394351253. N_2O

91394351254. NO

91394351255. NO_2

91394351256. N_2O_4

Question Number : 65 Question Id : 91394313046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The major component of volcanic gas emissions is

Options :

91394351257. CO_2

91394351258. SO_2

91394351259. H_2O

91394351260. **HF**

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Question Number : 65 Question Id : 91394313046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The major component of volcanic gas emissions is

Options :

91394351257. CO_2

91394351258. SO_2

91394351259. H_2O

91394351260. **HF**

Question Number : 66 Question Id : 91394313047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following countries has maximum percent of the world's total tropical forests ?

Options :

91394351261. **Bolivia**

91394351262. **Indonesia**

91394351263. **Brazil**

91394351264. **India**

Question Number : 66 Question Id : 91394313047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following countries has maximum percent of the world's total tropical forests ?

Options :

91394351261. **Bolivia**

91394351262. **Indonesia**

91394351263. **Brazil**

91394351264. **India**

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Question Number : 67 Question Id : 91394313048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The area of the water column at which light intensity is just sufficient for rate of photosynthesis to be equal to the rate of respiration is called

Options :

91394351265. Photic zone

91394351266. Decomposition zone

91394351267. Aphotic depth

91394351268. Compensation depth

Question Number : 67 Question Id : 91394313048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The area of the water column at which light intensity is just sufficient for rate of photosynthesis to be equal to the rate of respiration is called

Options :

91394351265. Photic zone

91394351266. Decomposition zone

91394351267. Aphotic depth

91394351268. Compensation depth

Question Number : 68 Question Id : 91394313049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Saprophytic components of the community are dominated by

Options :

91394351269. Herbivore organisms

91394351270. Micro organisms

91394351271. Macro organisms

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91394351272. Autotrophic organisms

Question Number : 68 Question Id : 91394313049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Saprophytic components of the community are dominated by

Options :

91394351269. Herbivore organisms

91394351270. Micro organisms

91394351271. Macro organisms

91394351272. Autotrophic organisms

Question Number : 69 Question Id : 91394313050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If mean annual precipitation and mean annual temperature are the lowest, then which type of a major vegetation dominates ?

Options :

91394351273. Desert vegetation

91394351274. Taiga vegetation

91394351275. Tundra vegetation

91394351276. Shrubland vegetation

Question Number : 69 Question Id : 91394313050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If mean annual precipitation and mean annual temperature are the lowest, then which type of a major vegetation dominates ?

Options :

91394351273. Desert vegetation

91394351274. Taiga vegetation

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91394351275. Tundra vegetation

91394351276. Shrubland vegetation

Question Number : 70 Question Id : 91394313051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following plateaus is the third largest reservoir of ice in the world ?

Options :

91394351277. Plateau Rosa

91394351278. Breithorn Plateau

91394351279. Norwegian Plateau

91394351280. Qinghai-Tibet Plateau

Question Number : 70 Question Id : 91394313051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following plateaus is the third largest reservoir of ice in the world ?

Options :

91394351277. Plateau Rosa

91394351278. Breithorn Plateau

91394351279. Norwegian Plateau

91394351280. Qinghai-Tibet Plateau

Question Number : 71 Question Id : 91394313052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Thiamine depletion in oceanic water column is a driver for wildlife decline.

Reason (R) : Thiamine is required for cellular metabolism and its deficiency causes immunosuppression.

Code :

Options :

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91394351281. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351282. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351283. (A) is true, but (R) is false.

91394351284. (A) is false, but (R) is true.

Question Number : 71 Question Id : 91394313052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Thiamine depletion in oceanic water column is a driver for wildlife decline.

Reason (R) : Thiamine is required for cellular metabolism and its deficiency causes immunosuppression.

Code :

Options :

91394351281. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351282. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351283. (A) is true, but (R) is false.

91394351284. (A) is false, but (R) is true.

Question Number : 72 Question Id : 91394313053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The profundal zone of oligotrophic lakes is characterized by

Options :

91394351285. low biomass

91394351286. high biomass

91394351287. average biomass

91394351288. very high biomass

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Question Number : 72 Question Id : 91394313053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The profundal zone of oligotrophic lakes is characterized by

Options :

91394351285. low biomass

91394351286. high biomass

91394351287. average biomass

91394351288. very high biomass

Question Number : 73 Question Id : 91394313054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Sorghum is a

Options :

91394351289. C_3 plant

91394351290. C_4 plant

91394351291. CAM plant

91394351292. Perennial plant

Question Number : 73 Question Id : 91394313054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Sorghum is a

Options :

91394351289. C_3 plant

91394351290. C_4 plant

91394351291. CAM plant

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91394351292. Perennial plant

Question Number : 74 Question Id : 91394313055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

High juvenile mortality is the characteristic feature of

Options :

91394351293. r-selected population

91394351294. K-selected population

91394351295. r- and K-selected population

91394351296. c-selected population

Question Number : 74 Question Id : 91394313055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

High juvenile mortality is the characteristic feature of

Options :

91394351293. r-selected population

91394351294. K-selected population

91394351295. r- and K-selected population

91394351296. c-selected population

Question Number : 75 Question Id : 91394313056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Transpiration rates in early successional plants are

Options :

91394351297. High

91394351298. Low

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91394351299. Medium

91394351300. Very low

Question Number : 75 Question Id : 91394313056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Transpiration rates in early successional plants are

Options :

91394351297. High

91394351298. Low

91394351299. Medium

91394351300. Very low

Question Number : 76 Question Id : 91394313057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following countries has the highest ecological footprint ?

Options :

91394351301. China

91394351302. India

91394351303. Brazil

91394351304. South Africa

Question Number : 76 Question Id : 91394313057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following countries has the highest ecological footprint ?

Options :

91394351301. China

91394351302. India

91394351303. Brazil

91394351304. South Africa

Question Number : 77 Question Id : 91394313058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

Wildlife corridors facilitate

Options :

91394351305. Continuous exchange of organisms

91394351306. Discontinuous exchange of organisms

91394351307. Inhibition of exchange of organisms

91394351308. Disruptions in metapopulations

Question Number : 77 Question Id : 91394313058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

Wildlife corridors facilitate

Options :

91394351305. Continuous exchange of organisms

91394351306. Discontinuous exchange of organisms

91394351307. Inhibition of exchange of organisms

91394351308. Disruptions in metapopulations

Question Number : 78 Question Id : 91394313059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 2 Wrong Marks : 0

A dwarf forest that occurs in regions with winter rain-summer drought and is adapted to fire is

Options :

91394351309. Chaparral forest

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91394351310. Tropical forest

91394351311. Temperate forest

91394351312. Deciduous forest

Question Number : 78 Question Id : 91394313059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A dwarf forest that occurs in regions with winter rain-summer drought and is adapted to fire is

Options :

91394351309. Chaparral forest

91394351310. Tropical forest

91394351311. Temperate forest

91394351312. Deciduous forest

Question Number : 79 Question Id : 91394313060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Edges in landscapes generally have more generalist species.

Reason (R) : Edges have unique habitats.

Code :

Options :

91394351313. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351314. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351315. (A) is true, but (R) is false.

91394351316. (A) is false, but (R) is true.

Question Number : 79 Question Id : 91394313060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : Edges in landscapes generally have more generalist species.

Reason (R) : Edges have unique habitats.

Code :

Options :

91394351313. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351314. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351315. (A) is true, but (R) is false.

91394351316. (A) is false, but (R) is true.

Question Number : 80 Question Id : 91394313061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If Arctic ice is replaced by forests, which of the following situations will arise ?

Options :

91394351317. It will accelerate global warming

91394351318. It will have no effect on global warming

91394351319. It will decelerate global warming

91394351320. Arctic ice will return after sometime and forests will disappear

Question Number : 80 Question Id : 91394313061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If Arctic ice is replaced by forests, which of the following situations will arise ?

Options :

91394351317. It will accelerate global warming

91394351318. It will have no effect on global warming

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91394351319. It will decelerate global warming

91394351320. Arctic ice will return after sometime and forests will disappear

Question Number : 81 Question Id : 91394313062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Kleptoparasitism refers to

Options :

91394351321. Obligate parasitism

91394351322. Facultative parasitism

91394351323. Ectoparasitism

91394351324. Stealing food from another predator's catch

Question Number : 81 Question Id : 91394313062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Kleptoparasitism refers to

Options :

91394351321. Obligate parasitism

91394351322. Facultative parasitism

91394351323. Ectoparasitism

91394351324. Stealing food from another predator's catch

Question Number : 82 Question Id : 91394313063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Lacustrine zone in a reservoir

(i) is broad deep lake-like basin

(ii) is autochthonous

(iii) has P > R

(iv) has turbid water

Choose the correct answer from the code given below :

Code :

Options :

91394351325. **Only (i), (iii), (iv)**

91394351326. **Only (i), (ii), (iii)**

91394351327. **Only (ii), (iii), (iv)**

91394351328. **(i), (ii), (iii) and (iv)**

Question Number : 82 Question Id : 91394313063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Lacustrine zone in a reservoir

(i) is broad deep lake-like basin

(ii) is autochthonous

(iii) has P > R

(iv) has turbid water

Choose the correct answer from the code given below :

Code :

Options :

91394351325. **Only (i), (iii), (iv)**

91394351326. **Only (i), (ii), (iii)**

91394351327. **Only (ii), (iii), (iv)**

91394351328. **(i), (ii), (iii) and (iv)**

Question Number : 83 Question Id : 91394313064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Based on the random assessment of four years, the Mean Net Production and Standard Deviation for a grassland are 120 gC/m^2/year and 4 gC/m^2/year, respectively. The 90% confidence interval around this estimate (t at 10% level of significance for df 3 is 2·353) is

Options :

91394351329. $120 \pm 8{\cdot}613$ gC/m^2/year

91394351330. $120 \pm 4{\cdot}706$ gC/m^2/year

91394351331. $120 \pm 2{\cdot}353$ gC/m^2/year

91394351332. $120 \pm 9{\cdot}412$ gC/m^2/year

Question Number : 83 Question Id : 91394313064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Based on the random assessment of four years, the Mean Net Production and Standard Deviation for a grassland are 120 gC/m^2/year and 4 gC/m^2/year, respectively. The 90% confidence interval around this estimate (t at 10% level of significance for df 3 is 2·353) is

Options :

91394351329. $120 \pm 8{\cdot}613$ gC/m^2/year

91394351330. $120 \pm 4{\cdot}706$ gC/m^2/year

91394351331. $120 \pm 2{\cdot}353$ gC/m^2/year

91394351332. $120 \pm 9{\cdot}412$ gC/m^2/year

Question Number : 84 Question Id : 91394313065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A predator runs to a distance from its hideout at a speed of 60 km/hr to hunt a prey and then drags the prey to the same hideout at a speed of 30 km/hr. The average speed of the predator is

Options :

91394351333. **45 km/hr**

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91394351334. 40 km/hr

91394351335. 36 km/hr

91394351336. 52 km/hr

Question Number : 84 Question Id : 91394313065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A predator runs to a distance from its hideout at a speed of 60 km/hr to hunt a prey and then drags the prey to the same hideout at a speed of 30 km/hr. The average speed of the predator is

Options :

91394351333. 45 km/hr

91394351334. 40 km/hr

91394351335. 36 km/hr

91394351336. 52 km/hr

Question Number : 85 Question Id : 91394313066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Two groups of five vehicles each running on diesel and petrol respectively, produce 6·4 kg and 5 kg emissions per day. Given the population standard deviation 4 and $t_{0\cdot05} = 2\cdot306$, test whether emissions of diesel and petrol vehicles differ significantly ?

Options :

91394351337. t calculated value < 2·306, thus emissions do not differ significantly.

91394351338. t calculated value = 2·306, thus they produce equal emissions.

91394351339. t calculated value > 2·306, thus emissions do not differ significantly.

91394351340. t calculated value = 2·306, thus emissions differ significantly.

Question Number : 85 Question Id : 91394313066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 2 Wrong Marks : 0

Two groups of five vehicles each running on diesel and petrol respectively, produce 6·4 kg and 5 kg emissions per day. Given the population standard deviation 4 and $t_{0.05} = 2·306$, test whether emissions of diesel and petrol vehicles differ significantly ?

Options :

91394351337. t calculated value < 2·306, thus emissions do not differ significantly.

91394351338. t calculated value = 2·306, thus they produce equal emissions.

91394351339. t calculated value > 2·306, thus emissions do not differ significantly.

91394351340. t calculated value = 2·306, thus emissions differ significantly.

Question Number : 86 Question Id : 91394313067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

How many ways can eight tigers in a cage be fed with three small wild animals, three small goats and two domestic fowls ?

Options :

91394351341. **70**

91394351342. **560**

91394351343. **580**

91394351344. **210**

Question Number : 86 Question Id : 91394313067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

How many ways can eight tigers in a cage be fed with three small wild animals, three small goats and two domestic fowls ?

Options :

91394351341. **70**

91394351342. **560**

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91394351343. **580**

91394351344. **210**

Question Number : 87 Question Id : 91394313068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A tributary flowing at a rate of 4 m^3/s converges into a river flowing at a rate of 8·0 m^3/s. The concentration of a pollutant 'X' at the upstream of the tributary before convergence was 12 mg/L and that of the river was 30 mg/L. If the pollutant X is completely mixed in the downstream, what would be its concentration ?

Options :

91394351345. **30 mg/L**

91394351346. **21 mg/L**

91394351347. **42 mg/L**

91394351348. **24 mg/L**

Question Number : 87 Question Id : 91394313068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A tributary flowing at a rate of 4 m^3/s converges into a river flowing at a rate of 8·0 m^3/s. The concentration of a pollutant 'X' at the upstream of the tributary before convergence was 12 mg/L and that of the river was 30 mg/L. If the pollutant X is completely mixed in the downstream, what would be its concentration ?

Options :

91394351345. **30 mg/L**

91394351346. **21 mg/L**

91394351347. **42 mg/L**

91394351348. **24 mg/L**

Question Number : 88 Question Id : 91394313069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 2 Wrong Marks : 0

Initial population of a species in an ecosystem is 1000 and its growth rate is 0·9 per year. The carrying capacity of the ecosystem is 10,000. Assuming a logistic growth for the population of the species, what is the maximum sustainable yield of the ecosystem ?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

91394351349. **2500 species/year**

91394351350. **5000 species/year**

91394351351. **500 species/year**

91394351352. **250 species/year**

Question Number : 88 Question Id : 91394313069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Initial population of a species in an ecosystem is 1000 and its growth rate is 0·9 per year. The carrying capacity of the ecosystem is 10,000. Assuming a logistic growth for the population of the species, what is the maximum sustainable yield of the ecosystem ?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

91394351349. **2500 species/year**

91394351350. **5000 species/year**

91394351351. **500 species/year**

91394351352. **250 species/year**

Question Number : 89 Question Id : 91394313070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Consider Gaussian-point source dispersion model with effective stack height H and dispersion coefficient $\sigma_z = \frac{H}{\sqrt{2}}$. If the effective stack height H increases by 10%, the downwind ground-level concentration of pollutants would

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

91394351353. **increase by 20%**

91394351354. **decrease by 20%**

91394351355. **increase by 5%**

91394351356. **decrease by 5%**

Question Number : 89 Question Id : 91394313070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Consider Gaussian-point source dispersion model with effective stack height H and dispersion coefficient $\sigma_z = \frac{H}{\sqrt{2}}$. If the effective stack height H increases by 10%, the downwind ground-level concentration of pollutants would

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

91394351353. **increase by 20%**

91394351354. **decrease by 20%**

91394351355. **increase by 5%**

91394351356. **decrease by 5%**

Question Number : 90 Question Id : 91394313071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Human ear is most sensitive to noise in the frequency range

Options :

91394351357. $1 - 5$ kHz

91394351358. $4 - 6$ kHz

91394351359. $0{\cdot}2 - 0{\cdot}8$ kHz

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91394351360. 0·5 – 1 kHz

Question Number : 90 Question Id : 91394313071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Human ear is most sensitive to noise in the frequency range

Options :

91394351357. 1 – 5 kHz

91394351358. 4 – 6 kHz

91394351359. 0·2 – 0·8 kHz

91394351360. 0·5 – 1 kHz

Question Number : 91 Question Id : 91394313072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The permissible noise level during day time in a silence zone in India represented by L_{eq} (8 hrs) is

Options :

91394351361. **40 dB(A)**

91394351362. **50 dB(A)**

91394351363. **55 dB(A)**

91394351364. **45 dB(A)**

Question Number : 91 Question Id : 91394313072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The permissible noise level during day time in a silence zone in India represented by L_{eq} (8 hrs) is

Options :

91394351361. **40 dB(A)**

91394351362. **50 dB(A)**

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91394351363. **55 dB(A)**

91394351364. **45 dB(A)**

Question Number : 92 Question Id : 91394313073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Pollutants, while List II indicates Health Effects. Match the two lists and choose the correct answer from the code given below :

List I (Pollutant)	**List II (Health Effect)**
(a) SO_2	(i) Nerve and blood effects
(b) O_3	(ii) Bronchitis
(c) CO	(iii) Asphyxiant
(d) Pb	(iv) Pulmonary injury

Code :

Options :

91394351365. **(a)–(i), (b)–(ii), (c)–(iv), (d)–(iii)**

91394351366. **(a)–(iii), (b)–(i), (c)–(ii), (d)–(iv)**

91394351367. **(a)–(iv), (b)–(iii), (c)–(i), (d)–(ii)**

91394351368. **(a)–(ii), (b)–(iv), (c)–(iii), (d)–(i)**

Question Number : 92 Question Id : 91394313073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Pollutants, while List II indicates Health Effects. Match the two lists and choose the correct answer from the code given below :

List I (Pollutant)	**List II (Health Effect)**
(a) SO_2	(i) Nerve and blood effects
(b) O_3	(ii) Bronchitis
(c) CO	(iii) Asphyxiant
(d) Pb	(iv) Pulmonary injury

Code :

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Options :

91394351365. (a)–(i), (b)–(ii), (c)–(iv), (d)–(iii)

91394351366. (a)–(iii), (b)–(i), (c)–(ii), (d)–(iv)

91394351367. (a)–(iv), (b)–(iii), (c)–(i), (d)–(ii)

91394351368. (a)–(ii), (b)–(iv), (c)–(iii), (d)–(i)

Question Number : 93 Question Id : 91394313074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : CFCs are able to penetrate the stratosphere.

Reason (R) : CFCs are highly unreactive.

Code :

Options :

91394351369. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351370. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351371. (A) is true, but (R) is false.

91394351372. (A) is false, but (R) is true.

Question Number : 93 Question Id : 91394313074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : CFCs are able to penetrate the stratosphere.

Reason (R) : CFCs are highly unreactive.

Code :

Options :

91394351369. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351370. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

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91394351371. (A) is true, but (R) is false.

91394351372. (A) is false, but (R) is true.

Question Number : 94 Question Id : 91394313075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : In general a rise in temperature of water adversely affects the aquatic life.

Reason (R) : An increase in temperature causes hyperoxia among aquatic species.

Code :

Options :

91394351373. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351374. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351375. (A) is true, but (R) is false.

91394351376. (A) is false, but (R) is true.

Question Number : 94 Question Id : 91394313075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer using the code given below.

Assertion (A) : In general a rise in temperature of water adversely affects the aquatic life.

Reason (R) : An increase in temperature causes hyperoxia among aquatic species.

Code :

Options :

91394351373. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351374. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351375. (A) is true, but (R) is false.

91394351376. (A) is false, but (R) is true.

Question Number : 95 Question Id : 91394313076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The secondary pollutant in the troposphere is

Options :

91394351377. CO_2

91394351378. SO_2

91394351379. NO_x

91394351380. O_3

Question Number : 95 Question Id : 91394313076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The secondary pollutant in the troposphere is

Options :

91394351377. CO_2

91394351378. SO_2

91394351379. NO_x

91394351380. O_3

Question Number : 96 Question Id : 91394313077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is ***not*** a precursor of classical smog ?

Options :

91394351381. Sulphur dioxide

91394351382. Sunlight

91394351383. Fog

91394351384. Aerosols

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Question Number : 96 Question Id : 91394313077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is *not* a precursor of classical smog ?

Options :

91394351381. **Sulphur dioxide**

91394351382. **Sunlight**

91394351383. **Fog**

91394351384. **Aerosols**

Question Number : 97 Question Id : 91394313078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Among the chemical species :

(i) H_2CO_3

(ii) HCO_3^-

(iii) CO_3^{2-}

(iv) Cl^-

the pH of natural waters is controlled mainly by

Options :

91394351385. **Only (i) and (ii)**

91394351386. **Only (i), (ii) and (iii)**

91394351387. **Only (ii) and (iv)**

91394351388. **(i), (ii), (iii) and (iv)**

Question Number : 97 Question Id : 91394313078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Among the chemical species :

(i) H_2CO_3

(ii) HCO_3^-

(iii) CO_3^{2-}

(iv) Cl^-

the pH of natural waters is controlled mainly by

Options :

91394351385. **Only (i) and (ii)**

91394351386. **Only (i), (ii) and (iii)**

91394351387. **Only (ii) and (iv)**

91394351388. **(i), (ii), (iii) and (iv)**

Question Number : 98 Question Id : 91394313079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The preferred form of nitrogen for uptake by most plants is

Options :

91394351389. N_2

91394351390. NH_3

91394351391. NH_4^+

91394351392. NO_3^-

Question Number : 98 Question Id : 91394313079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The preferred form of nitrogen for uptake by most plants is

Options :

91394351389. N_2

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91394351390. NH_3

91394351391. NH_4^+

91394351392. NO_3^-

Question Number : 99 Question Id : 91394313080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

With regard to processing of organic matter by soil dwelling macro- and micro- fauna consider the following two statements :

(A) Phytophagous organisms consume living plant material.

(B) Sarcophagus organisms consume dead plant material.

Choose the correct answer from the code given below :

Code :

Options :

91394351393. **Both (A) and (B) are true**

91394351394. **Both (A) and (B) are false**

91394351395. **(A) is true and (B) is false**

91394351396. **(A) is false and (B) is true**

Question Number : 99 Question Id : 91394313080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

With regard to processing of organic matter by soil dwelling macro- and micro- fauna consider the following two statements :

(A) Phytophagous organisms consume living plant material.

(B) Sarcophagus organisms consume dead plant material.

Choose the correct answer from the code given below :

Code :

Options :

91394351393. **Both (A) and (B) are true**

91394351394. **Both (A) and (B) are false**

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91394351395. (A) is true and (B) is false

91394351396. (A) is false and (B) is true

Question Number : 100 Question Id : 91394313081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The online monitoring technique for NO_x is based on the Chemiluminiscence of which of the following molecules in excited state ?

Options :

91394351397. Ozone

91394351398. Nitrogen dioxide

91394351399. Dioxygen

91394351400. Nitric oxide

Question Number : 100 Question Id : 91394313081 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The online monitoring technique for NO_x is based on the Chemiluminiscence of which of the following molecules in excited state ?

Options :

91394351397. Ozone

91394351398. Nitrogen dioxide

91394351399. Dioxygen

91394351400. Nitric oxide

Question Number : 101 Question Id : 91394313082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The Keeling curve is a plot between

Options :

91394351401. The concentration of CO_2 and the year of measurement.

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91394351402. The concentration of ozone and the altitude.

91394351403. The altitude and the temperature of the day.

91394351404. The solar intensity and time of the day.

Question Number : 101 Question Id : 91394313082 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The Keeling curve is a plot between

Options :

91394351401. The concentration of CO_2 and the year of measurement.

91394351402. The concentration of ozone and the altitude.

91394351403. The altitude and the temperature of the day.

91394351404. The solar intensity and time of the day.

Question Number : 102 Question Id : 91394313083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Mass movement types, while List II indicates Materials. Match the two lists and choose the correct answer from the code given below :

List I (Mass movement type)	List II (Material)
(a) Fall	(i) Block
(b) Flows	(ii) Rock
(c) Subsidence	(iii) Soil
(d) Lateral movement	(iv) Caves

Code :

Options :

91394351405. (a)–(i), (b)–(ii), (c)–(iii), (d)–(iv)

91394351406. (a)–(ii), (b)–(iii), (c)–(iv), (d)–(i)

91394351407. (a)–(iii), (b)–(iv), (c)–(i), (d)–(ii)

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91394351408. (a)–(i), (b)–(iii), (c)–(ii), (d)–(iv)

Question Number : 102 Question Id : 91394313083 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Mass movement types, while List II indicates Materials. Match the two lists and choose the correct answer from the code given below :

List I (Mass movement type)	List II (Material)
(a) Fall	(i) Block
(b) Flows	(ii) Rock
(c) Subsidence	(iii) Soil
(d) Lateral movement	(iv) Caves

Code :

Options :

91394351405. (a)–(i), (b)–(ii), (c)–(iii), (d)–(iv)

91394351406. (a)–(ii), (b)–(iii), (c)–(iv), (d)–(i)

91394351407. (a)–(iii), (b)–(iv), (c)–(i), (d)–(ii)

91394351408. (a)–(i), (b)–(iii), (c)–(ii), (d)–(iv)

Question Number : 103 Question Id : 91394313084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Exfoliation is a form of

Options :

91394351409. Mass Wasting

91394351410. Physical Weathering

91394351411. Biochemical Weathering

91394351412. Chemical Weathering

Question Number : 103 Question Id : 91394313084 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Exfoliation is a form of

Options :

91394351409. Mass Wasting

91394351410. Physical Weathering

91394351411. Biochemical Weathering

91394351412. Chemical Weathering

Question Number : 104 Question Id : 91394313085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Zone of rapid change in density in oceans is known as

Options :

91394351413. Halocline

91394351414. Pseudo-congruence

91394351415. Pycnocline

91394351416. Stenocline

Question Number : 104 Question Id : 91394313085 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Zone of rapid change in density in oceans is known as

Options :

91394351413. Halocline

91394351414. Pseudo-congruence

91394351415. Pycnocline

91394351416. Stenocline

Question Number : 105 Question Id : 91394313086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Darcy's law, the relationship between flow velocity and hydraulic gradient is

Options :

91394351417. Linear

91394351418. Logarithmic

91394351419. Exponential

91394351420. Non-linear

Question Number : 105 Question Id : 91394313086 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Darcy's law, the relationship between flow velocity and hydraulic gradient is

Options :

91394351417. Linear

91394351418. Logarithmic

91394351419. Exponential

91394351420. Non-linear

Question Number : 106 Question Id : 91394313087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Mid-ocean ridges are formed when

Options :

91394351421. Two plates move away from one another.

91394351422. Oceanic plate sinks beneath continental plate.

91394351423. Older, denser, oceanic plate sinks beneath the younger less dense oceanic plate.

91394351424. The plates slide past one another.

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Question Number : 106 Question Id : 91394313087 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Mid-ocean ridges are formed when

Options :

91394351421. Two plates move away from one another.

91394351422. Oceanic plate sinks beneath continental plate.

91394351423. Older, denser, oceanic plate sinks beneath the younger less dense oceanic plate.

91394351424. The plates slide past one another.

Question Number : 107 Question Id : 91394313088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Reference data or ground truth data is used for the following purposes in remote sensing :

(i) To aid in the analysis and interpretation of remotely sensed data

(ii) To calibrate a sensor

(iii) To verify information extracted from remote sensing data

Choose the correct answer from the code given below :

Code :

Options :

91394351425. (i), (ii) and (iii)

91394351426. Only (ii) and (iii)

91394351427. Only (i) and (iii)

91394351428. Only (iii)

Question Number : 107 Question Id : 91394313088 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Reference data or ground truth data is used for the following purposes in remote sensing :

(i) To aid in the analysis and interpretation of remotely sensed data

(ii) To calibrate a sensor

(iii) To verify information extracted from remote sensing data

Choose the correct answer from the code given below :

Code :

Options :

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91394351425. (i), (ii) and (iii)

91394351426. Only (ii) and (iii)

91394351427. Only (i) and (iii)

91394351428. Only (iii)

Question Number : 108 Question Id : 91394313089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which wavelength is most useful for imaging during cloud-covered conditions ?

Options :

91394351429. 0·4 m

91394351430. 0·04 cm

91394351431. 4·0 cm

91394351432. 4 nm

Question Number : 108 Question Id : 91394313089 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which wavelength is most useful for imaging during cloud-covered conditions ?

Options :

91394351429. 0·4 m

91394351430. 0·04 cm

91394351431. 4·0 cm

91394351432. 4 nm

Question Number : 109 Question Id : 91394313090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following frequencies is best for height measurement ?

Options :

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91394351433. Ku-band

91394351434. C-band

91394351435. X-band

91394351436. P-band

Question Number : 109 Question Id : 91394313090 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following frequencies is best for height measurement ?

Options :

91394351433. Ku-band

91394351434. C-band

91394351435. X-band

91394351436. P-band

Question Number : 110 Question Id : 91394313091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Key components of spatial data quality in GIS include

(i) Positional accuracy

(ii) Temporal accuracy

(iii) Logical consistency

(iv) Lineage and Completeness

Choose the correct answer from the code given below :

Code :

Options :

91394351437. (i), (ii), (iii) and (iv)

91394351438. Only (i), (ii) and (iii)

91394351439. Only (i) and (ii)

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91394351440. **Only (ii), (iii) and (iv)**

Question Number : 110 Question Id : 91394313091 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Key components of spatial data quality in GIS include

(i) Positional accuracy

(ii) Temporal accuracy

(iii) Logical consistency

(iv) Lineage and Completeness

Choose the correct answer from the code given below :

Code :

Options :

91394351437. **(i), (ii), (iii) and (iv)**

91394351438. **Only (i), (ii) and (iii)**

91394351439. **Only (i) and (ii)**

91394351440. **Only (ii), (iii) and (iv)**

Question Number : 111 Question Id : 91394313092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Range resolution in radar remote sensing is a function of

(i) Velocity of light, c

(ii) Pulse compression, τ

(iii) Angle of depression, θ_d

Choose the correct answer from the code given below :

Code :

Options :

91394351441. **Only (i) and (ii)**

91394351442. **Only (i) and (iii)**

91394351443. **(i), (ii) and (iii)**

91394351444. **Only (ii) and (iii)**

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Question Number : 111 Question Id : 91394313092 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Range resolution in radar remote sensing is a function of

(i) Velocity of light, c

(ii) Pulse compression, τ

(iii) Angle of depression, θ_d

Choose the correct answer from the code given below :

Code :

Options :

91394351441. **Only (i) and (ii)**

91394351442. **Only (i) and (iii)**

91394351443. **(i), (ii) and (iii)**

91394351444. **Only (ii) and (iii)**

Question Number : 112 Question Id : 91394313093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer from the code given below.

Assertion (A) : **Carbon dioxide at higher altitudes has a globally constant value despite its localized source of production.**

Reason (R) : **Carbon dioxide has long residence time in atmosphere.**

Code :

Options :

91394351445. **Both (A) and (R) are correct and (R) is the correct explanation of (A).**

91394351446. **Both (A) and (R) are correct, but (R) is not the correct explanation of (A).**

91394351447. **(A) is true, but (R) is false.**

91394351448. **(A) is false, but (R) is true.**

Question Number : 112 Question Id : 91394313093 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R). Read the statements and choose the correct answer from the code given below.

Assertion (A) : Carbon dioxide at higher altitudes has a globally constant value despite its localized source of production.

Reason (R) : Carbon dioxide has long residence time in atmosphere.

Code :

Options :

91394351445. Both (A) and (R) are correct and (R) is the correct explanation of (A).

91394351446. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

91394351447. (A) is true, but (R) is false.

91394351448. (A) is false, but (R) is true.

Question Number : 113 Question Id : 91394313094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If the fractional wind velocity drop at the rotor of a windmill is 0·1, the coefficient of performance of the windmill is

Options :

91394351449. 0·324

91394351450. 0·59

91394351451. 0·81

91394351452. 0·36

Question Number : 113 Question Id : 91394313094 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

If the fractional wind velocity drop at the rotor of a windmill is 0·1, the coefficient of performance of the windmill is

Options :

91394351449. 0·324

91394351450. 0·59

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91394351451. **0·81**

91394351452. **0·36**

Question Number : 114 Question Id : 91394313095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A photon in the visible blue region irradiates a silicon solar cell. How much energy of photon will be wasted ? ($h = 6{\cdot}6 \times 10^{-34}$ Js)

Options :

91394351453. ~ 2·0 eV

91394351454. ~ 1·0 eV

91394351455. ~ 0·72 eV

91394351456. ~ 1·5 eV

Question Number : 114 Question Id : 91394313095 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A photon in the visible blue region irradiates a silicon solar cell. How much energy of photon will be wasted ? ($h = 6{\cdot}6 \times 10^{-34}$ Js)

Options :

91394351453. ~ 2·0 eV

91394351454. ~ 1·0 eV

91394351455. ~ 0·72 eV

91394351456. ~ 1·5 eV

Question Number : 115 Question Id : 91394313096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In a flat-plate solar collector, the energy losses are due to

(i) Conduction

(ii) Convection

(iii) Radiation

Choose the correct answer from the code given below :

Code :

Options :

91394351457. Only (i) and (iii)

91394351458. Only (i) and (ii)

91394351459. Only (ii) and (iii)

91394351460. (i), (ii) and (iii)

Question Number : 115 Question Id : 91394313096 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In a flat-plate solar collector, the energy losses are due to

(i) Conduction

(ii) Convection

(iii) Radiation

Choose the correct answer from the code given below :

Code :

Options :

91394351457. Only (i) and (iii)

91394351458. Only (i) and (ii)

91394351459. Only (ii) and (iii)

91394351460. (i), (ii) and (iii)

Question Number : 116 Question Id : 91394313097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following biomass fuels has the highest energy content (MJ/kg) ?

Options :

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91394351461. Wood (air dry)

91394351462. Unsorted domestic refuse

91394351463. Paper and cards

91394351464. Coconut and groundnut shells

Question Number : 116 Question Id : 91394313097 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following biomass fuels has the highest energy content (MJ/kg) ?

Options :

91394351461. Wood (air dry)

91394351462. Unsorted domestic refuse

91394351463. Paper and cards

91394351464. Coconut and groundnut shells

Question Number : 117 Question Id : 91394313098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The number of sites suitable for harnessing tidal power in the world is limited to about

Options :

91394351465. 40

91394351466. 50

91394351467. 60

91394351468. 80

Question Number : 117 Question Id : 91394313098 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The number of sites suitable for harnessing tidal power in the world is limited to about

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Options :

91394351465. 40

91394351466. 50

91394351467. 60

91394351468. 80

Question Number : 118 Question Id : 91394313099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following materials is used as a moderator in nuclear power reactors ?

Options :

91394351469. Graphite

91394351470. Boron

91394351471. Cadmium

91394351472. Lithium

Question Number : 118 Question Id : 91394313099 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following materials is used as a moderator in nuclear power reactors ?

Options :

91394351469. Graphite

91394351470. Boron

91394351471. Cadmium

91394351472. Lithium

Question Number : 119 Question Id : 91394313100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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A 500 MW coal based power station is operating at an efficiency of 30%. If the coal has 1% of sulphur content and 1 tonne of coal produces 8000 kWh energy, how much SO_2 will be emitted daily by the plant ?

Options :

91394351473. 50 tonne

91394351474. 100 tonne

91394351475. 200 tonne

91394351476. ~ 2.1 tonne

Question Number : 119 Question Id : 91394313100 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A 500 MW coal based power station is operating at an efficiency of 30%. If the coal has 1% of sulphur content and 1 tonne of coal produces 8000 kWh energy, how much SO_2 will be emitted daily by the plant ?

Options :

91394351473. 50 tonne

91394351474. 100 tonne

91394351475. 200 tonne

91394351476. ~ 2.1 tonne

Question Number : 120 Question Id : 91394313101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In a nuclear fusion reactor based on deuterium + tritium fuel, the proportion of these isotopes of hydrogen in the fuel is as

Options :

91394351477. 60 : 40

91394351478. 75 : 25

91394351479. 50 : 50

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91394351480. **80 : 20**

Question Number : 120 Question Id : 91394313101 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In a nuclear fusion reactor based on deuterium + tritium fuel, the proportion of these isotopes of hydrogen in the fuel is as

Options :

91394351477. **60 : 40**

91394351478. **75 : 25**

91394351479. **50 : 50**

91394351480. **80 : 20**

Question Number : 121 Question Id : 91394313102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The power output (P) from an ideal magnetohydrodynamic power generating plant varies with the strength of magnetic field (B) as.

Options :

91394351481. $P \propto B^2$

91394351482. $P \propto B$

91394351483. $P \propto B^{1/2}$

91394351484. $P \propto B^3$

Question Number : 121 Question Id : 91394313102 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The power output (P) from an ideal magnetohydrodynamic power generating plant varies with the strength of magnetic field (B) as.

Options :

91394351481. $P \propto B^2$

91394351482. $P \propto B$

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91394351483. $P \propto B^{1/2}$

91394351484. $P \propto B^{3}$

Question Number : 122 Question Id : 91394313103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The radiative forcing is negative in case of

Options :

91394351485. CH_4

91394351486. **Black carbon aerosols**

91394351487. **Tropospheric ozone**

91394351488. **Stratospheric ozone**

Question Number : 122 Question Id : 91394313103 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The radiative forcing is negative in case of

Options :

91394351485. CH_4

91394351486. **Black carbon aerosols**

91394351487. **Tropospheric ozone**

91394351488. **Stratospheric ozone**

Question Number : 123 Question Id : 91394313104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Scoping step of EIA

(i) Is a systematic exercise that establishes the boundaries of EIA

(ii) Clearly indicates what is relevant and what is not relevant within EIA

(iii) Serves as a work plan for entire EIA process.

Choose the correct answer from the code given below :

Code :

Options :

91394351489. Only (ii) and (iii)

91394351490. (i), (ii) and (iii)

91394351491. Only (i) and (ii)

91394351492. Only (iii)

Question Number : 123 Question Id : 91394313104 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Scoping step of EIA

(i) Is a systematic exercise that establishes the boundaries of EIA

(ii) Clearly indicates what is relevant and what is not relevant within EIA

(iii) Serves as a work plan for entire EIA process.

Choose the correct answer from the code given below :

Code :

Options :

91394351489. Only (ii) and (iii)

91394351490. (i), (ii) and (iii)

91394351491. Only (i) and (ii)

91394351492. Only (iii)

Question Number : 124 Question Id : 91394313105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is a contingency plan in EIA ? Select the best answer.

Options :

91394351493. A plan of actions to prevent an emergency and steps to be taken when emergencies occur.

91394351494. A set of guidelines ensuring that the development project will remain within its boundaries.

91394351495. A plan describing the measures that will be taken to contain or treat any waste produced by the development project.

91394351496. A set of guidelines for carrying out EIA.

Question Number : 124 Question Id : 91394313105 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is a contingency plan in EIA ? Select the best answer.

Options :

91394351493. A plan of actions to prevent an emergency and steps to be taken when emergencies occur.

91394351494. A set of guidelines ensuring that the development project will remain within its boundaries.

91394351495. A plan describing the measures that will be taken to contain or treat any waste produced by the development project.

91394351496. A set of guidelines for carrying out EIA.

Question Number : 125 Question Id : 91394313106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which EIA tool best identifies action-effect-impact relations ?

Options :

91394351497. Checklists

91394351498. Networks

91394351499. Interaction matrices

91394351500. SWOT

Question Number : 125 Question Id : 91394313106 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which EIA tool best identifies action-effect-impact relations ?

Options :

91394351497. Checklists

91394351498. Networks

91394351499. Interaction matrices

91394351500. SWOT

Question Number : 126 Question Id : 91394313107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Ecologically sustainable mine closure plan should be

(i) Site specific

(ii) Risk based

(iii) Consider post-mining land uses

(iv) Based on adaptive management

Choose the correct answer from the code given below :

Code :

Options :

91394351501. Only (ii), (iii) and (iv)

91394351502. Only (i) and (ii)

91394351503. (i), (ii), (iii) and (iv)

91394351504. Only (i), (ii) and (iv)

Question Number : 126 Question Id : 91394313107 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Ecologically sustainable mine closure plan should be

(i) Site specific

(ii) Risk based

(iii) Consider post-mining land uses

(iv) Based on adaptive management

Choose the correct answer from the code given below :

Code :

Options :

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91394351501. Only (ii), (iii) and (iv)

91394351502. Only (i) and (ii)

91394351503. (i), (ii), (iii) and (iv)

91394351504. Only (i), (ii) and (iv)

Question Number : 127 Question Id : 91394313108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Wildlife Protection Act, the 'Closed area' refers to

Options :

91394351505. Area with geographical barriers

91394351506. Once part of Wildlife reserve, but now abandoned

91394351507. Area closed to hunting for a specified period

91394351508. Area surrounding the bioreserve

Question Number : 127 Question Id : 91394313108 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Wildlife Protection Act, the 'Closed area' refers to

Options :

91394351505. Area with geographical barriers

91394351506. Once part of Wildlife reserve, but now abandoned

91394351507. Area closed to hunting for a specified period

91394351508. Area surrounding the bioreserve

Question Number : 128 Question Id : 91394313109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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In India, the burning of used syringes in the hospital is banned, because

(i) The Bio-Medical Waste (Management and Handling) Rules, 1998 do not permit

(ii) It releases dioxins and furans

(iii) Syringes are encapsulated after use

Choose the correct answer from the code given below :

Code :

Options :

91394351509. (i) and (ii) are correct

91394351510. (i) and (iii) are correct

91394351511. (ii) and (iii) are correct

91394351512. (i), (ii) and (iii) are correct

Question Number : 128 Question Id : 91394313109 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In India, the burning of used syringes in the hospital is banned, because

(i) The Bio-Medical Waste (Management and Handling) Rules, 1998 do not permit

(ii) It releases dioxins and furans

(iii) Syringes are encapsulated after use

Choose the correct answer from the code given below :

Code :

Options :

91394351509. (i) and (ii) are correct

91394351510. (i) and (iii) are correct

91394351511. (ii) and (iii) are correct

91394351512. (i), (ii) and (iii) are correct

Question Number : 129 Question Id : 91394313110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Name the low heat thermal process that destroys the pathogen in biomedical waste by heating that occurs inside the waste material.

Options :

91394351513. Hydroclave

91394351514. Autoclave

91394351515. Microwave

91394351516. Pyrolysis

Question Number : 129 Question Id : 91394313110 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Name the low heat thermal process that destroys the pathogen in biomedical waste by heating that occurs inside the waste material.

Options :

91394351513. Hydroclave

91394351514. Autoclave

91394351515. Microwave

91394351516. Pyrolysis

Question Number : 130 Question Id : 91394313111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Under which Article of the Constitution of India, was The Environment (Protection) Act, 1986, enacted ?

Options :

91394351517. 249

91394351518. 254

91394351519. 248

91394351520. 253

Question Number : 130 Question Id : 91394313111 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Under which Article of the Constitution of India, was The Environment (Protection) Act, 1986, enacted ?

Options :

91394351517. **249**

91394351518. **254**

91394351519. **248**

91394351520. **253**

Question Number : 131 Question Id : 91394313112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to IS 10500 : 1991, the desirable limit of sulphates (as SO_4^{-2}) in ground water around the landfill site for wastes is

Options :

91394351521. **500 mg/L**

91394351522. **300 mg/L**

91394351523. **250 mg/L**

91394351524. **200 mg/L**

Question Number : 131 Question Id : 91394313112 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to IS 10500 : 1991, the desirable limit of sulphates (as SO_4^{-2}) in ground water around the landfill site for wastes is

Options :

91394351521. **500 mg/L**

91394351522. **300 mg/L**

91394351523. **250 mg/L**

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91394351524. 200 mg/L

Question Number : 132 Question Id : 91394313113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to the Water (Prevention and Control of Pollution) Act, 1974, any liquid, gas or solid discharged from any premises used for carrying industrial operation or process or treatment is called

Options :

91394351525. Hazardous effluent

91394351526. Sewage

91394351527. Contaminants

91394351528. Trade effluent

Question Number : 132 Question Id : 91394313113 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to the Water (Prevention and Control of Pollution) Act, 1974, any liquid, gas or solid discharged from any premises used for carrying industrial operation or process or treatment is called

Options :

91394351525. Hazardous effluent

91394351526. Sewage

91394351527. Contaminants

91394351528. Trade effluent

Question Number : 133 Question Id : 91394313114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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In the two lists given below, List I provides the list of Treatment Processes, while List II indicates Hazardous Wastes. Match the two lists and choose the correct answer from the code given below :

List I (Treatment Process)	List II (Hazardous Wastes)
(a) Ozonization	(i) Aqueous with metals
(b) Evaporation	(ii) PCBs
(c) Fluidized bed incineration	(iii) Cyanides
(d) Carbon adsorption	(iv) Chlorinated organics

Code :

Options :

91394351529. (a)–(i), (b)–(iv), (c)–(ii), (d)–(iii)

91394351530. (a)–(iv), (b)–(ii), (c)–(iii), (d)–(i)

91394351531. (a)–(i), (b)–(iii), (c)–(iv), (d)–(ii)

91394351532. (a)–(iii), (b)–(iv), (c)–(ii), (d)–(i)

Question Number : 133 Question Id : 91394313114 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In the two lists given below, List I provides the list of Treatment Processes, while List II indicates Hazardous Wastes. Match the two lists and choose the correct answer from the code given below :

List I (Treatment Process)	List II (Hazardous Wastes)
(a) Ozonization	(i) Aqueous with metals
(b) Evaporation	(ii) PCBs
(c) Fluidized bed incineration	(iii) Cyanides
(d) Carbon adsorption	(iv) Chlorinated organics

Code :

Options :

91394351529. (a)–(i), (b)–(iv), (c)–(ii), (d)–(iii)

91394351530. (a)–(iv), (b)–(ii), (c)–(iii), (d)–(i)

91394351531. (a)–(i), (b)–(iii), (c)–(iv), (d)–(ii)

91394351532. (a)–(iii), (b)–(iv), (c)–(ii), (d)–(i)

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Question Number : 134 Question Id : 91394313115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following plants is listed under Schedule VI of Wildlife (Protection) Act, 1972 and prohibited from cultivation and planting ?

Options :

91394351533. **Sandalwood**

91394351534. **Blue vanda**

91394351535. **Babul**

91394351536. **Earleaf acacia**

Question Number : 134 Question Id : 91394313115 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following plants is listed under Schedule VI of Wildlife (Protection) Act, 1972 and prohibited from cultivation and planting ?

Options :

91394351533. **Sandalwood**

91394351534. **Blue vanda**

91394351535. **Babul**

91394351536. **Earleaf acacia**

Question Number : 135 Question Id : 91394313116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Label on paper products with the Möbius arrows contained within a circle indicates that the product is

Options :

91394351537. **recyclable after use**

91394351538. **made up of recycled material**

91394351539. **made by a tribal community**

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91394351540. re-usable again

Question Number : 135 Question Id : 91394313116 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Label on paper products with the Möbius arrows contained within a circle indicates that the product is

Options :

91394351537. recyclable after use

91394351538. made up of recycled material

91394351539. made by a tribal community

91394351540. re-usable again

Question Number : 136 Question Id : 91394313117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Rules 6(1), 6(3) and 7(2) of Municipal Solid Waste (Management and Handling) Rules, the maximum permissible standard for suspended solids for land disposal is

Options :

91394351541. 1200 mg/L

91394351542. 600 mg/L

91394351543. 200 mg/L

91394351544. 350 mg/L

Question Number : 136 Question Id : 91394313117 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to Rules 6(1), 6(3) and 7(2) of Municipal Solid Waste (Management and Handling) Rules, the maximum permissible standard for suspended solids for land disposal is

Options :

91394351541. 1200 mg/L

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91394351542. 600 mg/L

91394351543. 200 mg/L

91394351544. 350 mg/L

Question Number : 137 Question Id : 91394313118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Arrange the following functional elements of solid waste management in the order in which they appear :

(i) On-site handling, storage and processing

(ii) Collection

(iii) Process recovery

(iv) Transfer and transport

Choose the correct answer from the code given below :

Code :

Options :

91394351545. (ii), (i), (iv), (iii)

91394351546. (i), (ii), (iv), (iii)

91394351547. (ii), (iii), (i), (iv)

91394351548. (ii), (iv), (i), (iii)

Question Number : 137 Question Id : 91394313118 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Arrange the following functional elements of solid waste management in the order in which they appear :

(i) On-site handling, storage and processing

(ii) Collection

(iii) Process recovery

(iv) Transfer and transport

Choose the correct answer from the code given below :

Code :

Options :

91394351545. (ii), (i), (iv), (iii)

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91394351546. (i), (ii), (iv), (iii)

91394351547. (ii), (iii), (i), (iv)

91394351548. (ii), (iv), (i), (iii)

Question Number : 138 Question Id : 91394313119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following threatened plant species of Kerala is endangered ?

Options :

91394351549. *Nymphaea tetragona*

91394351550. *Abutilon indicum*

91394351551. *Acacia planifrons*

91394351552. *Actinodaphne lawsonii*

Question Number : 138 Question Id : 91394313119 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which one of the following threatened plant species of Kerala is endangered ?

Options :

91394351549. *Nymphaea tetragona*

91394351550. *Abutilon indicum*

91394351551. *Acacia planifrons*

91394351552. *Actinodaphne lawsonii*

Question Number : 139 Question Id : 91394313120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Formulation of Reference Ecosystem in restoration involves

(i) Species composition

(ii) Structure

(iii) Functionality

(iv) Description of successional stage

Choose the correct answer from the code given below :

Code :

Options :

91394351553. Only (i), (ii) and (iii)

91394351554. Only (ii), (iii) and (iv)

91394351555. (i), (ii), (iii) and (iv)

91394351556. Only (i), (ii) and (iv)

Question Number : 139 Question Id : 91394313120 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Formulation of Reference Ecosystem in restoration involves

(i) Species composition

(ii) Structure

(iii) Functionality

(iv) Description of successional stage

Choose the correct answer from the code given below :

Code :

Options :

91394351553. Only (i), (ii) and (iii)

91394351554. Only (ii), (iii) and (iv)

91394351555. (i), (ii), (iii) and (iv)

91394351556. Only (i), (ii) and (iv)

Question Number : 140 Question Id : 91394313121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

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Key attributes of a restored ecosystem are

(i) Species composition

(ii) Structural diversity

(iii) Ecosystem functionality

(iv) Absence of threats

Choose the correct answer from the code given below :

Code :

Options :

91394351557. Only (i) and (ii)

91394351558. (i), (ii), (iii) and (iv)

91394351559. Only (ii), (iii) and (iv)

91394351560. Only (i), (ii) and (iii)

Question Number : 140 Question Id : 91394313121 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Key attributes of a restored ecosystem are

(i) Species composition

(ii) Structural diversity

(iii) Ecosystem functionality

(iv) Absence of threats

Choose the correct answer from the code given below :

Code :

Options :

91394351557. Only (i) and (ii)

91394351558. (i), (ii), (iii) and (iv)

91394351559. Only (ii), (iii) and (iv)

91394351560. Only (i), (ii) and (iii)

Question Number : 141 Question Id : 91394313122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Hedgegroves in an agricultural landscape typify

Options :

91394351561. Matrix

91394351562. Corridor

91394351563. Patch

91394351564. Metapopulation

Question Number : 141 Question Id : 91394313122 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Hedgegroves in an agricultural landscape typify

Options :

91394351561. Matrix

91394351562. Corridor

91394351563. Patch

91394351564. Metapopulation

Question Number : 142 Question Id : 91394313123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Metapopulations, a series of separated subpopulations,

Options :

91394351565. have limited genetic exchange

91394351566. have no genetic exchange

91394351567. maximize genetic exchange

91394351568. optimize genetic exchange

Question Number : 142 Question Id : 91394313123 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Metapopulations, a series of separated subpopulations,

Options :

91394351565. have limited genetic exchange

91394351566. have no genetic exchange

91394351567. maximize genetic exchange

91394351568. optimize genetic exchange

Question Number : 143 Question Id : 91394313124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Biodiversity in a riverine ecosystem increases

(i) in presence of diverse habitats with many potential niches.

(ii) with moderate amount of disturbance.

(iii) in the river having large woody debris.

(iv) in the presence of harsh environment.

Choose the correct answer from the code given below :

Code :

Options :

91394351569. Only (i), (ii) and (iii)

91394351570. Only (ii), (iii) and (iv)

91394351571. (i), (ii), (iii) and (iv)

91394351572. Only (i) and (ii)

Question Number : 143 Question Id : 91394313124 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Biodiversity in a riverine ecosystem increases

(i) in presence of diverse habitats with many potential niches.

(ii) with moderate amount of disturbance.

(iii) in the river having large woody debris.

(iv) in the presence of harsh environment.

Choose the correct answer from the code given below :

Code :

Options :

91394351569. Only (i), (ii) and (iii)

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91394351570. Only (ii), (iii) and (iv)

91394351571. (i), (ii), (iii) and (iv)

91394351572. Only (i) and (ii)

Question Number : 144 Question Id : 91394313125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Ozone in the stratosphere is not removed by catalytic cycles involving homogeneous gas phase reactions of

Options :

91394351573. HO_x families

91394351574. NO_x families

91394351575. SO_x families

91394351576. BrO_x families

Question Number : 144 Question Id : 91394313125 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Ozone in the stratosphere is not removed by catalytic cycles involving homogeneous gas phase reactions of

Options :

91394351573. HO_x families

91394351574. NO_x families

91394351575. SO_x families

91394351576. BrO_x families

Question Number : 145 Question Id : 91394313126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In each experiment 5 measurements were made of an observable. The first experiment yielded mean and standard deviation 80 and 4 respectively, whereas the second experiment gave mean and standard deviation 100 and 5 respectively. What is the combined standard deviation of the data ?

Options :

91394351577. **9**

91394351578. **6·52**

91394351579. **4·83**

91394351580. **4·53**

Question Number : 145 Question Id : 91394313126 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In each experiment 5 measurements were made of an observable. The first experiment yielded mean and standard deviation 80 and 4 respectively, whereas the second experiment gave mean and standard deviation 100 and 5 respectively. What is the combined standard deviation of the data ?

Options :

91394351577. **9**

91394351578. **6·52**

91394351579. **4·83**

91394351580. **4·53**

Question Number : 146 Question Id : 91394313127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The leading state in India in the field of organic farming is

Options :

91394351581. **Tripura**

91394351582. **Nagaland**

91394351583. **Sikkim**

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91394351584. Mizoram

Question Number : 146 Question Id : 91394313127 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The leading state in India in the field of organic farming is

Options :

91394351581. Tripura

91394351582. Nagaland

91394351583. Sikkim

91394351584. Mizoram

Question Number : 147 Question Id : 91394313128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is the CFC number for the halocarbon $CCl_2F_2CF_3$?

Options :

91394351585. 115

91394351586. 132

91394351587. 134

91394351588. 143

Question Number : 147 Question Id : 91394313128 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is the CFC number for the halocarbon $CCl_2F_2CF_3$?

Options :

91394351585. 115

91394351586. 132

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91394351587. **134**

91394351588. **143**

Question Number : 148 Question Id : 91394313129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The dominant mechanism(s) of deposition of aerosol particles in the size range 5 – 10 μm in the respiratory tract are

(i) Sedimentation

(ii) Impaction

(iii) Diffusion

Choose the correct answer from the code given below :

Code :

Options :

91394351589. **Only (i) and (iii)**

91394351590. **Only (ii) and (iii)**

91394351591. **Only (i) and (ii)**

91394351592. **(i), (ii) and (iii)**

Question Number : 148 Question Id : 91394313129 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The dominant mechanism(s) of deposition of aerosol particles in the size range 5 – 10 μm in the respiratory tract are

(i) Sedimentation

(ii) Impaction

(iii) Diffusion

Choose the correct answer from the code given below :

Code :

Options :

91394351589. **Only (i) and (iii)**

91394351590. **Only (ii) and (iii)**

91394351591. **Only (i) and (ii)**

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91394351592. (i), (ii) and (iii)

Question Number : 149 Question Id : 91394313130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to IS 3307 – 1965, the maximum limit for chloride (expressed as Cl) in waste water effluent to be discharged on land for irrigation purpose is

Options :

91394351593. 2100 mg/L

91394351594. 600 mg/L

91394351595. 1000 mg/L

91394351596. 200 mg/L

Question Number : 149 Question Id : 91394313130 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

According to IS 3307 – 1965, the maximum limit for chloride (expressed as Cl) in waste water effluent to be discharged on land for irrigation purpose is

Options :

91394351593. 2100 mg/L

91394351594. 600 mg/L

91394351595. 1000 mg/L

91394351596. 200 mg/L

Question Number : 150 Question Id : 91394313131 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Identify the correct sequence of the following mangrove species from sea shore towards land :

Options :

91394351597. Black mangrove – White mangrove – Red mangrove

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91394351598. **Red mangrove – White mangrove – Black mangrove**

91394351599. **Red mangrove – Black mangrove – White mangrove**

91394351600. **White mangrove – Red mangrove – Black mangrove**

Question Number : 150 Question Id : 91394313131 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Identify the correct sequence of the following mangrove species from sea shore towards land :

Options :

91394351597. **Black mangrove – White mangrove – Red mangrove**

91394351598. **Red mangrove – White mangrove – Black mangrove**

91394351599. **Red mangrove – Black mangrove – White mangrove**

91394351600. **White mangrove – Red mangrove – Black mangrove**

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