

Narsee Monjee Institute of Management Studies

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	NPAT Common 2020 QP3
Subject Name :	NPAT 2020
Creation Date :	2020-06-26 18:02:55
Duration :	106
Number of Questions :	98
Total Marks :	122
Display Marks:	Yes
Calculator :	Normal
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	Yes
Scratch Pad Required? :	Yes
Rough Sketch/Notepad Required? :	Yes
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console? :	Yes

Display Notepad Pre Exam

Group Number :	1
Group Id :	9046841462
Group Maximum Duration :	3
Group Minimum Duration :	3
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	1
Is this Group for Examiner? :	No

Display Notepad Pre Exam

Section Id :	9046841527
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	1
Number of Questions to be attempted :	1
Section Marks :	1
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842300
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 90468410675 Question Type : SUBJECTIVE

Correct Marks : 1

Kindly display your Notepad (Rough Sheet) for 3 minutes before the webcam. Also show both pages both sides numbered 1,2,3 and 4. Kindly showcase as it is mandatory.

Proficiency in English Language

Group Number :	2
Group Id :	9046841463
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No

2/4/2021

Edit Attended Group? : No
Break time : 0
Group Marks : 40
Is this Group for Examiner? : No

Proficiency in English Language

Section Id : 9046841528
Section Number : 1
Section type : Online
Mandatory or Optional : Mandatory
Number of Questions : 28
Number of Questions to be attempted : 28
Section Marks : 40
Mark As Answered Required? : Yes
Sub-Section Number : 1
Sub-Section Id : 9046842301
Question Shuffling Allowed : Yes

Question Number : 2 Question Id : 90468410676 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

In the sentence given below, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains grammatical error(s).

Like other cruise ships that suffered outbreaks and were often put in quarantine to protect port cities, the *Deliziosa* has found no cases of COVID-19, and so the boat's 1,831 passengers have been free to use the ship's facilities and entertainments.

Options :

- 90468437148. ✓ Like other cruise ships that suffered
- 90468437149. ✗ often put in quarantine
- 90468437150. ✗ found no cases of COVID-19
- 90468437151. ✗ free to use the ship's facilities and entertainments

Question Number : 3 Question Id : 90468410677 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

In the sentence given below, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains grammatical error(s).

I realise that it is a great mistake to not take a break every now and then.

Options :

- 90468437152. ✗ I realise that
- 90468437153. ✗ it is a great mistake
- 90468437154. ✓ to not take a break
- 90468437155. ✗ every now and then

Question Number : 4 Question Id : 90468410678 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

In the sentence given below, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains grammatical error(s).

The coral reef crumbles, and sand and other material pile on top, forming an island or islets.

Options :

- 90468437156. ✗ The coral reef crumbles
- 90468437157. ✗ sand and other material
- 90468437158. ✓ pile on top
- 90468437159. ✗ forming an island or islets.

Question Number : 5 Question Id : 90468410679 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

2/4/2021

In the sentence given below, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains grammatical error(s).

The coronavirus pandemic's economic downturn may having set off a sudden plunge in global greenhouse gas emissions, but another crucial metric for determining the severity of global warming — the amount of greenhouse gases actually in the air — just hit a record high.

Options :

- 90468437160. ✖ The coronavirus pandemic's economic downturn
- 90468437161. ✔ may having set off a sudden plunge
- 90468437162. ✖ another crucial metric for determining the severity of global warming
- 90468437163. ✖ just hit a record high.

Question Number : 6 Question Id : 90468410680 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In the sentence given below, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains grammatical error(s).

Thanks to hard water, I am losing hairs so rapidly, I might become bald very soon.

Options :

- 90468437164. ✖ Thanks to hard water
- 90468437165. ✔ I am losing hairs
- 90468437166. ✖ I might become
- 90468437167. ✖ bald very soon

Question Number : 7 Question Id : 90468410681 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Fill in the blanks with the appropriate word.

The warden asked them to look _____ the left to see the museum.

Options :

- 90468437168. ✖ at
- 90468437169. ✔ to
- 90468437170. ✖ from
- 90468437171. ✖ beyond

Question Number : 8 Question Id : 90468410682 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

Citizens _____ the country have now begun to express their doubts on the government's ability to tackle the economic crisis.

Options :

- 90468437172. ✖ around
- 90468437173. ✖ within
- 90468437174. ✖ in
- 90468437175. ✔ across

Question Number : 9 Question Id : 90468410683 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

I will call you when the teacher _____ to the class.

Options :

- 90468437176. ✖ will come
- 90468437177. ✔ comes
- 90468437178. ✖ come
- 90468437179. ✖ had came

Question Number : 10 Question Id : 90468410684 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

They _____ the TV for more than five hours now.

Options :

2/4/2021

- 90468437180. ✖ have watched
- 90468437181. ✖ watched
- 90468437182. ✖ are watching
- 90468437183. ✔ have been watching

Question Number : 11 Question Id : 90468410685 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

_____ the poorest countries should strive to help their children's ability to live healthy lives, the excessive carbon emissions threaten their children's future.

Options :

- 90468437184. ✔ While
- 90468437185. ✖ Since
- 90468437186. ✖ Whereas
- 90468437187. ✖ As

Question Number : 12 Question Id : 90468410686 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

As _____ of the surgery that he underwent last month, the bowler was not fit to be included in the team that would tour New Zealand.

Options :

- 90468437188. ✖ an affect
- 90468437189. ✖ an alibi
- 90468437190. ✔ a consequence
- 90468437191. ✖ a compliance

Question Number : 13 Question Id : 90468410687 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

_____ of the books I need for my research are not available in the library.

Options :

- 90468437192. ✖ Much
- 90468437193. ✔ Many
- 90468437194. ✖ Little
- 90468437195. ✖ Any

Question Number : 14 Question Id : 90468410688 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best fills in the blank and completes the sentence given below.

Some countries are bilingual and have two official languages, but _____ of them is English.

Options :

- 90468437196. ✖ nor
- 90468437197. ✖ either
- 90468437198. ✔ none
- 90468437199. ✖ both

Question Number : 15 Question Id : 90468410689 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best gives the meaning of the word/phrase in bold.

Most succulents are easy to care for and are the best plants for gardeners who are **beginners**.

Options :

- 90468437200. ✖ naïve
- 90468437201. ✖ ignorant
- 90468437202. ✖ initiators
- 90468437203. ✔ novices

Question Number : 16 Question Id : 90468410690 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best gives the meaning of the word/phrase in bold.

Western science is starting to provide some **concrete** clues as to how yoga works to improve health.

2/4/2021

Options :

- 90468437204. ✖ structural
- 90468437205. ✖ vivid
- 90468437206. ✔ tangible
- 90468437207. ✖ natural

Question Number : 17 Question Id : 90468410691 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best gives the meaning of the word/phrase in bold.

I wonder how Rajiv manages to **subsist** on such a small allowance.

Options :

- 90468437208. ✔ cope
- 90468437209. ✖ remain
- 90468437210. ✖ suffer
- 90468437211. ✖ relish

Question Number : 18 Question Id : 90468410692 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best gives the meaning of the word/phrase in bold.

There have been many **proposed** alternatives to the conventional petrol- or diesel-powered cars.

Options :

- 90468437212. ✖ prepared
- 90468437213. ✔ projected
- 90468437214. ✖ sponsored
- 90468437215. ✖ sophisticated

Question Number : 19 Question Id : 90468410693 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best completes the given sentence.

A research has _____ the proposition that tiny babies are capable of very fine auditory discrimination.

Options :

- 90468437216. ✖ provoked
- 90468437217. ✖ displayed
- 90468437218. ✖ defined
- 90468437219. ✔ substantiated

Question Number : 20 Question Id : 90468410694 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best completes the given sentence.

Quiet, reflective time is just as important for children as any _____ activity.

Options :

- 90468437220. ✔ purposeful
- 90468437221. ✖ focused
- 90468437222. ✖ attentive
- 90468437223. ✖ determined

Question Number : 21 Question Id : 90468410695 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best completes the given sentence.

Despite layers of _____, each currently beyond the reach of modern computers, young children readily solve the linguistic puzzles facing them, even surpassing their input when it lacks the expected structure.

Options :

- 90468437224. ✖ connectivity
- 90468437225. ✔ complexity
- 90468437226. ✖ compositionality
- 90468437227. ✖ congeniality

Question Number : 22 Question Id : 90468410696 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the option that best completes the given sentence.

2/4/2021

Speaking two languages, rather than just one, has _____ practical benefits in a globalised world.

Options :

90468437228. ✓ tangible

90468437229. ✗ clean

90468437230. ✗ transparent

90468437231. ✗ inevitable

Question Number : 23 Question Id : 90468410697 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are five sentences, labelled A, B, C, D and E. They are NOT in a meaningful order. Select the option that arranges the sentences in the correct order to form a meaningful paragraph.

- A. There are double handrails for people of various heights and museum-worthy manhole covers.
- B. That characterisation isn't unique to Japan – after all, Switzerland's detailed timepieces are legendary.
- C. Japan is often described as a nation that loves details.
- D. In fact, there's a name for the sort of traditional artists who do this: shokunin.
- E. But Japan has a long history of taking the time to perfect things in minute detail.

Options :

90468437232. ✓ C, A, B, E, D

90468437233. ✗ C, D, E, A, B

90468437234. ✗ C, E, A, D, B

90468437235. ✗ C, B, D, E, A

Question Number : 24 Question Id : 90468410698 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are five sentences, labelled A, B, C, D and E. They are NOT in a meaningful order. Select the option that arranges the sentences in the correct order to form a meaningful paragraph.

- A. In addition to access to capital and talent to innovate, other ways to incentivize innovation include an efficient regulatory system.
- B. Often developed through knowledge hubs and incubators, these joint ventures are a place where entrepreneurs' ideas come to fruition.
- C. Such a regulatory system would be predictable, transparent, scientifically rigorous, and has respect for intellectual property.
- D. The aim of any such collaborative innovation is to partner across sectors and find solutions that are long-term and sustainable.
- E. Creating new collaborations and partnerships, where innovation can thrive is an important part of today's research and development landscape.

Options :

90468437236. ✗ E, A, D, B, C

90468437237. ✗ E, D, C, B, A

90468437238. ✗ E, C, A, B, D

90468437239. ✓ E, B, D, A, C

Question Number : 25 Question Id : 90468410699 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are five sentences, labelled A, B, C, D and E. They are NOT in a meaningful order. Select the option that arranges the sentences in the correct order to form a meaningful paragraph.

- A. One of the most delightfully apt new phrases of the last few years is a Chinese term meaning "bowed head tribe".
- B. These are the people whose heads are lowered and who are constantly gazing at their phones.
- C. It's a wittier, more vivid description than "smartphone addict" and feels a lot closer to our lived experience.
- D. New words sometimes skewer a trend so perfectly you wonder how you survived without them.
- E. It describes the people we see every day on city streets – or don't, because we're a member of the tribe ourselves.

Options :

90468437240. ✗ A, B, C, E, D

90468437241. ✗ D, C, A, B, E

90468437242. ✓ D, A, E, B, C

90468437243. ✗ A, B, E, D, C

Question Number : 26 Question Id : 90468410700 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are five sentences, labelled A, B, C, D and E. They are NOT in a meaningful order. Select the option that arranges the sentences in the correct order to form a meaningful paragraph.

- A. The more leisure they have the less hope there is for them, as far as cure is concerned.
- B. Telephone maniacs are usually men of leisure who have small appreciation of the value of time.
- C. Regardless of the hour or the pressure of business, they insist on telling long stories over the wire.
- D. The worst feature about the disease is that those who have it never realise that they are making themselves obnoxious.
- E. An unmistakable symptom of the disease is a desire to talk to people at distant points about all sorts of things at all hours.

Options :

90468437244. ✗ B, C, D, A, E

90468437245. ✓ B, A, E, D, C

2/4/2021

90468437246. ✖ C, E, D, A, B

90468437247. ✖ D, E, C, A, B

Sub-Section Number :

2

Sub-Section Id :

9046842302

Question Shuffling Allowed :

Yes

Question Id : 90468410701 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (27 to 31)

Read the passage below and answer the questions that follow.

Probably most of the world is bilingual, or more than bilingual. It is common in many countries to speak a national language alongside an international lingua franca such as Arabic, Spanish or English. On top of that, there may be a mother tongue that is not the same as a national language. There is something quite uncanny about the ability to move rapidly between languages which even practitioners find hard to describe. Anyone who has learnt a language recognises that moment when you pass from translating in your head to just speaking it, the words emerging from inchoate thoughts before you can quite formulate them.

There is some evidence that babies still in the womb can be aware of the difference between languages, and this is certainly the case very soon after birth. Scientists are witnessed solemnly exposing infants to rudimentary languages with artificial rules — that the syllables Tu Pi Ro must always follow each other in that order. When an established rule is broken for the first time in the artificial language (but not in other languages around) the baby shows surprise and increased attention.

There have been repeated claims that people who can speak more than one language are more intelligent. It does seem as if bilingual ability affects some aspects of the performance of tasks, but often not in any significant way. Sometimes it appears to have an impact in a negative manner — the active vocabulary of bilinguals can be smaller than that of monolingual speakers. In other cases, such as the resolution of conflicting information, bilingual speakers tend to do better. This is unproven, though of course it is always useful to be able to speak another language.

It may be that different categories of bilingualism lead to different conclusions here. It seems quite plausible that someone who has spoken more than one language from birth would not be stretching his or her brain in the same way as another who painfully has set about mastering the grammar of a foreign language in youth or adulthood. Speakers of acquired languages display such different levels of confidence and mastery that it's unlikely to have solid or consistent effects on intelligence or cognitive development. In German I can hold a conversation, read a novel, write a letter — and once or twice I have even dreamt in it; in Arabic I could just about buy a train ticket or ask for directions. It doesn't seem likely that they have the same contribution to mental capacity. It would also be worth investigating whether a person who had kept mentally active by acquiring a language in middle age would find that it warded off mental decay more successfully than a bilingual speaker from birth.

The world may be growing more, not less, multilingual as transport links improve and increasing numbers are exposed to others unlike themselves. English speakers are shielded from this truth because, uniquely, our need to acquire foreign languages is decreasing. Forty years ago, one had to learn a few words of Portuguese to travel round Portugal or Brazil, but nowadays their inhabitants are much less likely to be monoglot.

Sub questions

Question Number : 27 Question Id : 90468410702 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The first paragraph tells us that:

Options :

90468437248. ✔ those who speak more than one language can shift rapidly between them

90468437249. ✖ most people mentally translate a language before uttering it

90468437250. ✖ the majority of people in the world speak more than one language

90468437251. ✖ Arabic, Spanish and English are the most commonly spoken languages globally

Question Number : 28 Question Id : 90468410703 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The author claims that none of the following can be proven about bilingualism, EXCEPT:

Options :

90468437252. ✖ that it contributes to intelligence and cognitive development

90468437253. ✖ acquiring a language late in life is better than learning it at birth

90468437254. ✔ speaking more than one language is beneficial to the speaker

90468437255. ✖ being bilingual from birth keeps a person more mentally agile than learning a language later

Question Number : 29 Question Id : 90468410704 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The writer mentions his/her linguistic abilities in German and Arabic to illustrate the difficulty in drawing a connection between language acquisition and intelligence:

Options :

90468437256. ✖ as different languages can have different applications

90468437257. ✖ especially when there are different linguistic scripts involved

90468437258. ✖ as people have different reasons for learning a language

90468437259. ✔ given a varying difference in the ability to speak different languages

Question Number : 30 Question Id : 90468410705 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The word 'monoglot' refers to a person who is:

Options :

90468437260. ✖ Monotheistic

2/4/2021

90468437261. ✓ Monolingual

90468437262. ✗ Monocultural

90468437263. ✗ Monastic

Question Number : 31 Question Id : 90468410706 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

We can infer from the last paragraph that:

Options :

90468437264. ✓ more people today can converse in English

90468437265. ✗ with travel more people are familiar with a foreign language

90468437266. ✗ better communications have spawned an interest in languages

90468437267. ✗ knowing Portuguese is not sufficient to travel around Brazil

Sub-Section Number :

3

Sub-Section Id :

9046842303

Question Shuffling Allowed :

Yes

Question Id : 90468410707 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (32 to 36)

Read the passage below and answer the questions that follow.

Popular reporting about disasters in poorer and developing countries usually begins with the spectacle, and focuses on post-event relief and reconstruction operations. These accounts follow a straightforward narrative: they acknowledge the absence or failure of early warning systems, and explain that the affected society was vulnerable to natural hazards because of developmental failures, outdated scientific expertise and political resistance to global best practices. Having established the problem and its likely causes, media coverage shifts to describe the efforts of the 'international community' in coordinating the flow of aid, knowledge and technology into the affected region. Finally, reports quote foreign leaders and experts proclaiming that much of the damage could have been avoided by investing in social resilience and empowering civil society to counter governmental inefficiencies, neglect, corruption and arbitrariness.

These accounts – drawing a direct relationship between developmental and technological deficiencies, the state's legitimacy to govern, and its moral obligation to seek foreign assistance – highlight the insight that political legitimacy is historically a function of scientific knowledge and expertise... Victorian colonisers argued that 'savages', unable to master natural hazards, needed colonial rule for their own protection. In our time, governments play the same hand when they characterise migrants and refugees as unintelligent, disease-ridden and morally tainted swarms that threaten natural resources, dishonour national values and compromise citizen's prosperity and wellbeing. Problems of nature cannot be meaningfully distinguished from the problems of society – to claim authority over the one is to take responsibility for the other...

After the earthquake (in 2010 in Haiti) national rescue, relief and recovery operations were overwhelmed by the involvement of the US and the international community... disaster-relief operations began by treating the Haitian government as incompetent and untrustworthy... Virtually all international disaster-relief aid was spent on foreign institutions and experts... The UN, in turn, trusted its own agencies, foreign NGOs and corporations to attend to restoring public utilities and services... In April 2011, 40 Haitian social organisations chastised the IHRC for extending centuries of coercion and dependence – a call-back to colonial discourses that justified benevolent dictatorships by claiming scientific and thus moral superiority over subjugated people and their resources.

On 28 September 2018, the Indonesian island of Sulawesi suffered a 7.5 magnitude (Richter seismic scale) earthquake. ... In the aftermath, media commentary examined the crisis from two perspectives: first, it investigated the state's technical competence to handle preparedness and hazard mitigation. The answer, predictably, focused on the mismanagement and subsequent failure of the country's early warning system. Second, the commentary scrutinised the legal and political rationale underlying relief and recovery decisions: did Indonesia – as it had in the past – refuse foreign relief workers, aid and expertise in a show of sovereign authority?

Sub questions

Question Number : 32 Question Id : 90468410708 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In this passage the writer makes the argument that:

Options :

90468437268. ✗ with climate change, even developing countries need to be technologically prepared for natural disasters

90468437269. ✓ disaster relief work by international agencies often impinge on the sovereign rights of a developing country

90468437270. ✗ developing countries are ill-equipped to unilaterally handle the effects of natural calamities

90468437271. ✗ self-sufficiency and preparedness are vital especially in developing countries in reacting to natural calamities

Question Number : 33 Question Id : 90468410709 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

After a calamity in a developing country, the author believes that the media typically does all of the following, EXCEPT:

Options :

90468437272. ✗ blames the host country for their lack of scientific expertise and equipment

90468437273. ✗ lauds foreign agencies for their role in alleviating the fall-out of the disaster

90468437274. ✓ documents wasteful expenditure of funds on foreign experts and agencies

90468437275. ✗ catalogues the inefficiency and corruption of host governments in responding to the crisis

Question Number : 34 Question Id : 90468410710 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Western view of developing societies presented in the second paragraph can be termed as:

Options :

90468437276. ✗ patriarchal



8/31

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90468437277. ✓ patronising

90468437278. ✗ paternal

90468437279. ✗ partisan

Question Number : 35 Question Id : 90468410711 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The writer claims that all of the following happened in the aftermath of the earthquake in Haiti, EXCEPT:

Options :

90468437280. ✓ massive international support for the Haitian government's rescue efforts

90468437281. ✗ the diversion of aid funds to international agencies and personnel

90468437282. ✗ the side-lining of domestic agencies in reconstruction efforts

90468437283. ✗ running down the Haitian government's efforts to tackle the situation

Question Number : 36 Question Id : 90468410712 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The author mentions the 'Victorian colonisers' (paragraph 2) to draw a parallel between their attitudes and:

Options :

90468437284. ✗ today's media accounts of developing country responses to disasters

90468437285. ✗ the global views of people today about migrants and refugees

90468437286. ✗ their belief that colonial peoples will squander their natural resources

90468437287. ✓ political legitimacy is linked to scientific knowledge and expertise

Sub-Section Number :

4

Sub-Section Id :

9046842304

Question Shuffling Allowed :

Yes

Question Id : 90468410713 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (37 to 41)

Read the passage below and answer the questions that follow.

Social media, magazines and shop windows bombard people daily with things to buy, and British consumers are buying more clothes and shoes than ever before. Online shopping means it is easy for customers to buy without thinking. Major brands offer such cheap clothes that they can be treated like disposable items.

In Britain, the average person spends more than £1,000 on new clothes a year, which is around four per cent of their income. That might not sound like much, but that figure hides two far more worrying trends for society and for the environment: a lot of the consumer spending is via credit cards. British people currently owe approximately £670 per adult to credit card companies. Not only are people spending money they don't have, they're using it to buy things they don't need. Approximately 300,000 tons of clothing a year goes into landfill sites. Clothes donated to charities often don't sell and so are either thrown away or are sent abroad, causing economic and environmental problems.

Lately, a different trend is springing up in opposition to consumerism – the 'buy nothing' trend. It originated in Canada in the early 1990s and then moved to the US, where it became a rejection of the overspending and overconsumption of Black Friday and Cyber Monday during Thanksgiving weekend. On Buy Nothing Day people organise various types of protests and cut up their credit cards. Throughout the year, Buy Nothing groups organise the exchange and repair of items they already own.

The trend has now reached influencers on social media who usually share posts of clothing and make-up that they recommend for people to buy. Some YouTube stars now encourage their viewers not to buy anything at all for periods as long as a year. Two friends in Canada spent a year working towards buying only food. For the first three months they learned how to live without buying electrical goods, clothes or things for the house. For the next stage, they gave up services, for example haircuts, eating out at restaurants or buying petrol for their cars. In one year, they'd saved \$55,000.

The changes they made meant two fewer cars on the roads, a reduction in plastic and paper packaging and a positive impact on the environment from all the energy saved. If everyone followed a similar plan, the results would be impressive. But even if you can't manage a full year without going shopping, you can participate in the anti-consumerist movement by refusing to buy things you don't need. Buy Nothing groups send a clear message to companies that people are no longer willing to accept the environmental and human cost of overconsumption.

Sub questions

Question Number : 37 Question Id : 90468410714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The phrase '*bombard people*' in paragraph 1 means:

Options :

90468437288. ✗ to shower people

90468437289. ✗ to flood people

90468437290. ✗ to attack people

90468437291. ✓ to overwhelm people

Question Number : 38 Question Id : 90468410715 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The author describes clothes as '*disposable items*' because they can be:

Options :

90468437292. ✗ thrown away easily

90468437293. ✓ worn a few times and discarded



9/31

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90468437294. ✖ bought for cheap prices online

90468437295. ✖ used in landfill sites

Question Number : 39 Question Id : 90468410716 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following sentences is NOT TRUE?

Options :

90468437296. ✖ The British are spending money they don't have on things they don't need.

90468437297. ✖ Donating to charities abroad has a negative influence on the environment.

90468437298. ✔ The Buy Nothing movement encourages people to embrace consumerism.

90468437299. ✖ The Buy Nothing groups have had an impact on social media advertisers.

Question Number : 40 Question Id : 90468410717 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following sentences best captures the main idea of this text?

Options :

90468437300. ✖ Consumerism is rampant in Britain and people spend money they don't have on the things they don't need.

90468437301. ✖ The Buy Nothing movement, which began in Canada as a reaction to the consumerism, soon spread to America.

90468437302. ✔ The Buy Nothing movement promotes the idea of not buying things over extended periods of time, thus cutting down on consumption.

90468437303. ✖ Companies are slowly beginning to realise that they cannot force people to buy things through aggressive advertising and discount sales.

Question Number : 41 Question Id : 90468410718 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Choose the best option to complete the statement:

According to the author the 'buy nothing' movement is:

Options :

90468437304. ✖ mere anti-consumerism

90468437305. ✖ an artefact of 'social media'

90468437306. ✖ glorifying 'penny-pinching'

90468437307. ✔ rejection of 'overconsumption'

Reasoning and General Intelligence

Group Number :	3
Group Id :	9046841464
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	40
Is this Group for Examiner? :	No

Reasoning and General Intelligence

Section Id :	9046841529
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	28
Number of Questions to be attempted :	28
Section Marks :	40
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842305
Question Shuffling Allowed :	Yes

Question Id : 90468410719 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (42 to 46)

Following are the criteria for admitting students to a Management Course:

The student candidate must:

1) be a graduate with at least 60% marks in the aggregate and more than 65% in English.

2/4/2021

- 2) be of at least 20 years age as on 31 December 2019
- 3) have obtained at least 65% in the entrance test and more than 60% in the interview.

However, if a student fulfils all the above criteria EXCEPT:

- 4) at (1) and/or (2) above but has obtained at least 80% in the entrance test, the case should be referred to the Principal.
- 5) at (2) and/or (3) above but is an ST candidate securing more than 70% in English at the graduation stage, the case should be referred to the Director.

Based on the criteria given above and without assuming any additional information, you have to take a decision for the candidates whose profiles have been given in the five questions. Mark your answer by choosing the appropriate option in each case.

Sub questions

Question Number : 42 Question Id : 90468410720 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Shamita was born in 1998 and is a commerce graduate scoring 67% in the aggregate as well as in English. She is an ST candidate who secured 62% in the interview and 65% in the entrance test. What decision would be taken for her?

Options :

- 90468437308. ✘ She would not be admitted
- 90468437309. ✔ She would be admitted
- 90468437310. ✘ Her case is to be referred to the Principal
- 90468437311. ✘ Her case is to be referred to the Director

Question Number : 43 Question Id : 90468410721 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sambeet passed the graduate examination in August 2017 at the age of 18 with 70% in English and 65% marks in the aggregate. He scored 68% in the entrance test and 60% in the interview. What decision would be taken for him?

Options :

- 90468437312. ✔ He would not be admitted
- 90468437313. ✘ He would be admitted
- 90468437314. ✘ His case is to be referred to the Principal
- 90468437315. ✘ His case is to be referred to the Director

Question Number : 44 Question Id : 90468410722 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Ankit obtained 78% in the entrance test and 62% in the interview. He was 19 years old when he passed his graduate examination in June 2018 with 65% in the aggregate as well as in English. He is an ST candidate. What decision would be taken for him?

Options :

- 90468437316. ✔ He would not be admitted
- 90468437317. ✘ He would be admitted
- 90468437318. ✘ His case is to be referred to the Principal
- 90468437319. ✘ His case is to be referred to the Director

Question Number : 45 Question Id : 90468410723 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Shweta, an ST candidate, born in 1997 passed the graduate examination with 65% in the aggregate as well as in English at the graduation stage. She secured 80% in the entrance test and 63% in the interview. What decision would be taken for her?

Options :

- 90468437320. ✘ She would be admitted
- 90468437321. ✘ She would not be admitted
- 90468437322. ✔ Her case is to be referred to the Principal
- 90468437323. ✘ Her case is to be referred to the Director

Question Number : 46 Question Id : 90468410724 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Sakira passed her graduate examination scoring 70% in the aggregate and 72% in English. She was born into an ST family in 2001 and scored 65% in the interview and 75% of marks in the entrance test. What decision would be taken for her?

Options :

- 90468437324. ✘ She would be admitted
- 90468437325. ✘ She would not be admitted
- 90468437326. ✘ Her case is to be referred to the Principal
- 90468437327. ✔ Her case is to be referred to the Director

Sub-Section Number :

2

Sub-Section Id :

9046842306

Question Shuffling Allowed :

Yes

Question Number : 47 Question Id : 90468410725 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0



11/31

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A team of four with equal number of boys and girls is to be formed from among four girls A, B, C and D and four boys K, L, M and N with the following conditions.

- i. B and M will not be put together
- ii. C and N will always be together
- iii. D cannot go with K
- iv. A will be selected, if M is selected and vice-versa

Which of the following teams can be formed?

Options :

90468437328. ✖ BDNL
90468437329. ✖ ALCN
90468437330. ✔ CNKB
90468437331. ✖ CNBD

Question Number : 48 Question Id : 90468410726 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A team of four with at least two girls is to be formed from among five boys M, N, S, T and Z and three girls P, Q and R with the following conditions.

- i. Q will always go with S
- ii. R and N cannot go together
- iii. M and P cannot go together
- iv. P will be put with N

Which of the following teams can be formed?

Options :

90468437332. ✖ PSQZ
90468437333. ✖ MNPR
90468437334. ✖ SQMT
90468437335. ✔ RSQZ

Question Number : 49 Question Id : 90468410729 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

- 'A + B' means 'A is mother of B'
'A - B' means 'A is father of B'
'A × B' means 'A is sister of B'
'A ÷ B' means 'A is Brother of B'

If $S \times M + Z - Y \times T + H \div R$, then how is M related to T?

Options :

90468437344. ✖ Mother
90468437345. ✖ Maternal grandmother
90468437346. ✔ Paternal grandmother
90468437347. ✖ Paternal grandfather

Question Number : 50 Question Id : 90468410730 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. Some women are employed persons.
2. All employed persons have maids in their families.

Conclusions:

- I. All families having maids have employed women.
- II. Some women have maids in their families.

Options :

90468437348. ✖ Only conclusion I follows
90468437349. ✔ Only conclusion II follows
90468437350. ✖ Both conclusions I and II follow
90468437351. ✖ Neither conclusion I nor II follows

Question Number : 51 Question Id : 90468410732 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some tigers are vertebrates.
2. All vertebrates are animals.
3. All tigers are mammals.

2/4/2021

Conclusions:

- I. Some animals are mammals.
- II. Some mammals are vertebrates.
- III. No animal is mammal.

Options :

- 90468437356. ✖ Only conclusion II follows
- 90468437357. ✖ Only conclusion II and either conclusions I or III follow
- 90468437358. ✖ Both conclusions II and III follow
- 90468437359. ✔ Only conclusions I and II follow

Question Number : 52 Question Id : 90468410735 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below is a question followed by two statements, I and II, each containing some information. Decide which of the statements contain data that are sufficient to answer the question.

Question:

How B is exactly related to D?

Statements:

- I. B's sister C is the mother of A, who is the brother of D.
- II. C is the wife of F and has a brother B and a son A whose sister is D.

Options :

- 90468437368. ✖ Statement I alone is sufficient
- 90468437369. ✔ Statement II alone is sufficient
- 90468437370. ✖ Either statement I alone or statement II alone is sufficient
- 90468437371. ✖ Both the statements I and II together are not sufficient.

Question Number : 53 Question Id : 90468410736 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

You are given a question and two statements. Identify which of the statements is/are sufficient to answer the question.

Question:

Houses A, B, C, D, E, F, G and H are in two rows, each having four houses. The houses in one row are facing the houses in the other. Which house is facing E?

Statements:

- I. C is diagonally opposite H and F is facing A, which is to the immediate right of E.
- II. D is at one end of a row and is facing H which is diagonally opposite C and A is to the left of F facing G.

Options :

- 90468437372. ✖ Statement I alone is sufficient
- 90468437373. ✖ Statement II alone is sufficient
- 90468437374. ✖ Either statement I alone or statement II alone is sufficient
- 90468437375. ✔ Both the statements I and II together are not sufficient.

Question Number : 54 Question Id : 90468410738 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

You are given a question and two statements. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

Who is the youngest among M, N, P, Q and R?

Statements:

- I. Both P and R are younger than M, who is older than N, and Q is the oldest.
- II. N is younger than R and older than P.

Options :

- 90468437380. ✖ Statement I alone is sufficient
- 90468437381. ✖ Statement II alone is sufficient
- 90468437382. ✖ Either statement I alone or statement II alone is sufficient
- 90468437383. ✔ Both the statements I and II together are necessary

Question Number : 55 Question Id : 90468410739 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below is a question followed by two statements, I and II, each containing some information. Decide which of the statements contain data that are sufficient to answer the question.

Question:

Will the number be always divisible by 9?

Statements:

2/4/2021

- I. The number is obtained by adding 8 times of the sum of the digits in any four-digit number with the number itself.
- II. The number is obtained by adding 4 times of the sum of the digits in any four-digit number with the number itself.

Options :

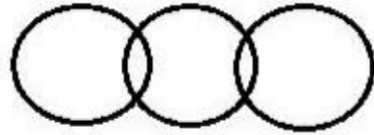
- 90468437384. ✓ Statement I alone is sufficient
- 90468437385. ✗ Statement II alone is sufficient
- 90468437386. ✗ Either statement I alone or statement II alone is sufficient
- 90468437387. ✗ Both the statements I and II together are not sufficient.

Question Number : 56 Question Id : 90468410740 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

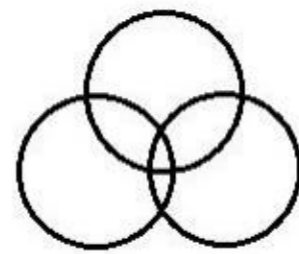
Select the Venn diagram that best represents the relationship between the following classes.

Football fans, Athletes, Students

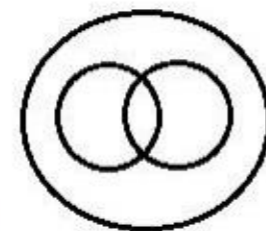
Options :



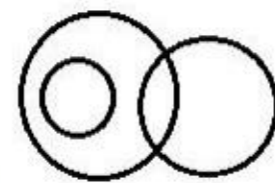
90468437388. ✗



90468437389. ✓



90468437390. ✗



90468437391. ✗

Question Number : 57 Question Id : 90468410744 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Study the given symbols.

- A @ B means A is not smaller than B.
- A # B means A is not greater than B.
- A & B means A is neither smaller than nor equal to B.
- A % B means A is neither greater than nor equal to B.
- A \$ B means A is neither smaller than nor greater than B.

Based on the symbols, read the given statements and conclusions carefully and decide which of the conclusions is/are true.

Statements:

- A) R @ Q
- B) S % P
- C) Q \$ S

Conclusions:

- I. Q # P
- II. P @ R
- III. S # R

Options :

- 90468437400. ✗ Only conclusions I is true
- 90468437401. ✗ Both conclusions I and II are true
- 90468437402. ✓ Only conclusion III is true
- 90468437403. ✗ Both conclusions II and III are true

Question Number : 58 Question Id : 90468410745 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

2/4/2021

Correct Marks : 1 Wrong Marks : 0

Study the given symbols.

A @ B means A is not smaller than B.

A # B means A is not greater than B.

A & B means A is neither smaller than nor equal to B.

A % B means A is neither greater than nor equal to B.

A \$ B means A is neither smaller than nor greater than B.

Based on the symbols, read the given statements and conclusions carefully and decide which of the conclusions is/are true.

Statements:

A) G & M

B) K @ G

C) M \$ H

Conclusions:

I. M % K

II. H # G

III. K & H

Options :

90468437404. ✖ Both conclusions I and II are true

90468437405. ✖ Both conclusions II and III are true

90468437406. ✔ Both conclusions I and III are true

90468437407. ✖ All the conclusions I, II and III are true

Question Number : 59 Question Id : 90468410746 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the signs 'x' and '-' are interchanged in each of the equations given as options, then select the option which is correct.

Options :

90468437408. ✖ $10 \times 2 + 4 - 3 = 12 + 6$

90468437409. ✖ $9 + 8 \times 6 - 2 = 8 + 3$

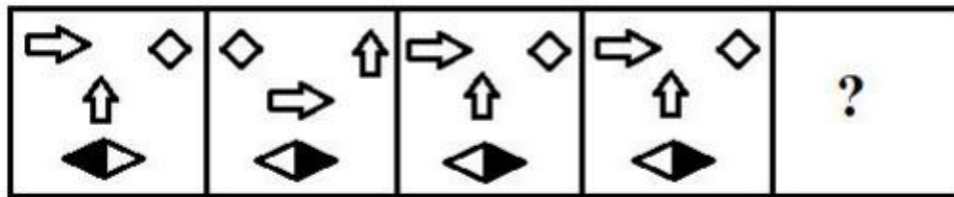
90468437410. ✔ $6 - 4 + 8 \times 2 = 6 - 5$

90468437411. ✖ $4 \times 2 - 6 + 12 = 6 - 2$

Question Number : 60 Question Id : 90468410747 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Select the figure that will come next in the following figure series.

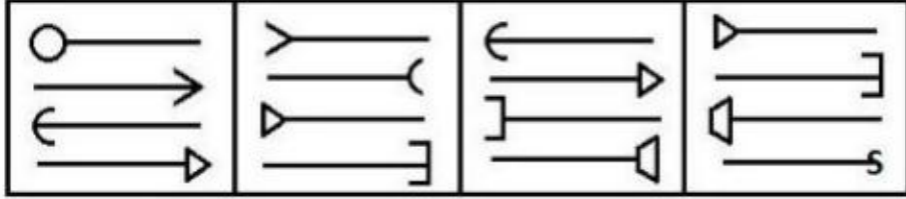


Options :

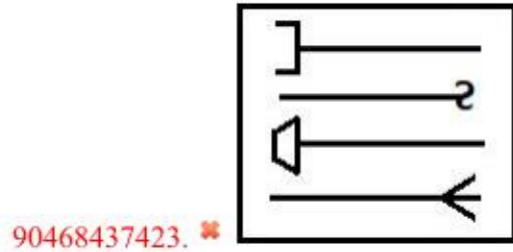
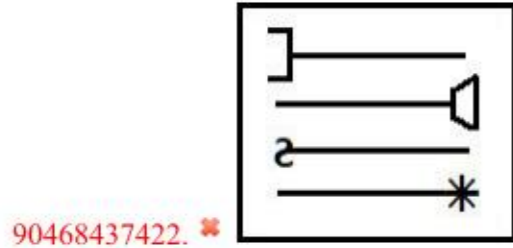
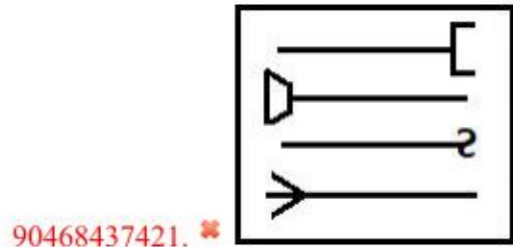
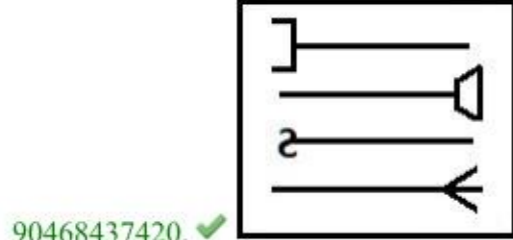


Question Number : 61 Question Id : 90468410749 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Find the figure that will come next in the following figure series.

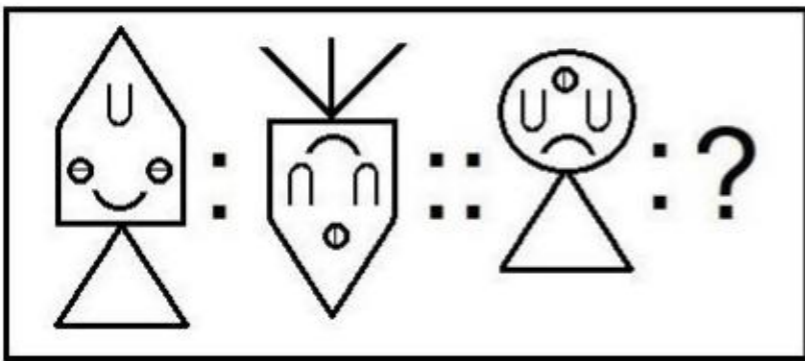


Options :



Question Number : 62 Question Id : 90468410750 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

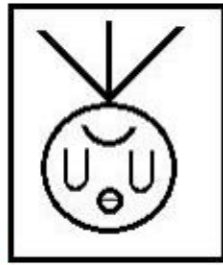
Select the option that is related to the third figure in the same way as the second figure is related to the first figure.



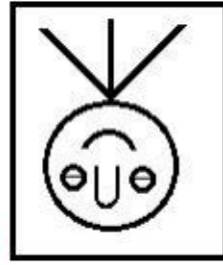
Options :



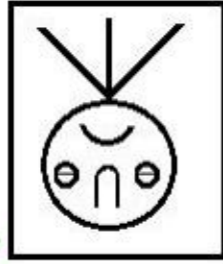
2/4/2021



90468437425. ✖



90468437426. ✖



90468437427. ✔

Sub-Section Number :

3

Sub-Section Id :

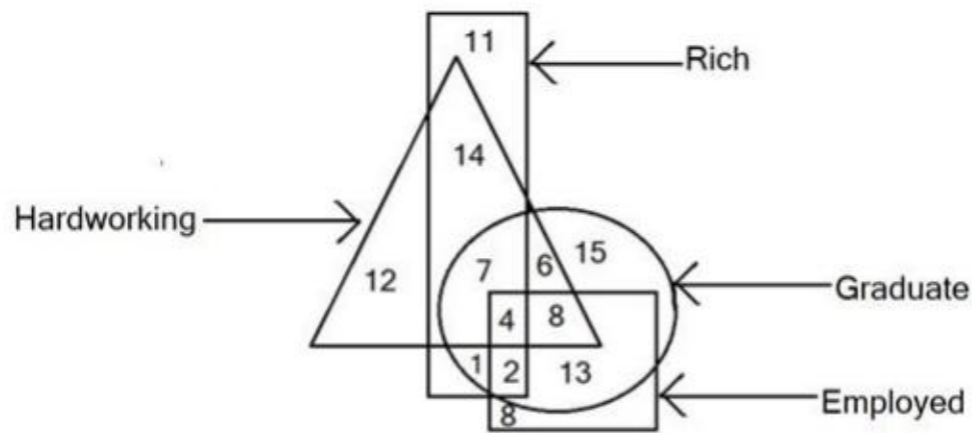
9046842307

Question Shuffling Allowed :

Yes

Question Id : 90468410741 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (63 to 64)

Study the given figure and answer the question that follows:



In the figure, the triangle stands for 'hardworking'; the circle stands for 'graduate'; the rectangle stands for 'rich' and the square stands for 'employed'. The numbers in different segments show the number of persons.

Sub questions

Question Number : 63 Question Id : 90468410742 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

How many employed graduates are hardworking but NOT rich?

Options :

90468437392. ✖ 3

90468437393. ✖ 4

90468437394. ✖ 6

90468437395. ✔ 8

Question Number : 64 Question Id : 90468410743 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

How many hardworking graduates are either rich or employed but NOT both?

Options :

90468437396. ✔ 15

90468437397. ✖ 14

90468437398. ✖ 13

2/4/2021

90468437399. ✖ 11

Sub-Section Number :

4

Sub-Section Id :

9046842308

Question Shuffling Allowed :

Yes

Question Number : 65 Question Id : 90468410727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Six friends A, B, C, D, E and F are sitting in straight line. A is third to the right of F. D is to the immediate left of F and is at one end of the row. B is sitting between A and C. There is one person between B and E. Who is sitting at the other end?

Options :

90468437336. ✖ A

90468437337. ✔ E

90468437338. ✖ B

90468437339. ✖ F

Question Number : 66 Question Id : 90468410728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Among five objects, S is twice as heavy as Q. P is one and a half times as heavy as R, which is twice as heavy as T. T is half as heavy as Q. Which is the heaviest of all the five objects?

Options :

90468437340. ✖ R

90468437341. ✔ S

90468437342. ✖ Q

90468437343. ✖ P

Question Number : 67 Question Id : 90468410731 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some streams are rivers.
2. Some rivers are water bodies.

Conclusions:

- I. No water body is stream.
- II. Some streams are water bodies.
- III. Some rivers are both streams and water bodies.

Options :

90468437352. ✖ Both conclusions I and II follow

90468437353. ✖ Both conclusions II and III follow

90468437354. ✖ Both conclusions I and III follow

90468437355. ✔ None of the conclusions I, II or III follow

Question Number : 68 Question Id : 90468410733 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should the non-government organisations be allowed to work in government schools to enhance the quality of education?

Arguments:

- I. Yes. The non-government organisations would involve themselves more passionately than the Government to improve the quality of education.
- II. No. The non-government organisations cannot harness the knowhow to improve the quality of teaching.

Options :

90468437360. ✖ Only argument I is strong

90468437361. ✖ Only argument II is strong

90468437362. ✖ Both arguments I and II are strong

90468437363. ✔ Neither argument I nor II is strong

Question Number : 69 Question Id : 90468410734 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Doctors, when posted in rural areas, should be given additional incentives.

Assumptions:

2/4/2021

- I. Many doctors do not prefer to go to rural areas.
- II. Additional incentives are likely to motivate doctors to go to rural areas.

Options :

- 90468437364. ✖ Only assumption I is implicit
- 90468437365. ✖ Only assumption II is implicit
- 90468437366. ✔ Both assumptions I and II are implicit
- 90468437367. ✖ Neither assumption I nor II is implicit

Question Number : 70 Question Id : 90468410737 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

You are given a question and two statements. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

Among four objects A, B, C and D, which is the lightest of all?

Statements:

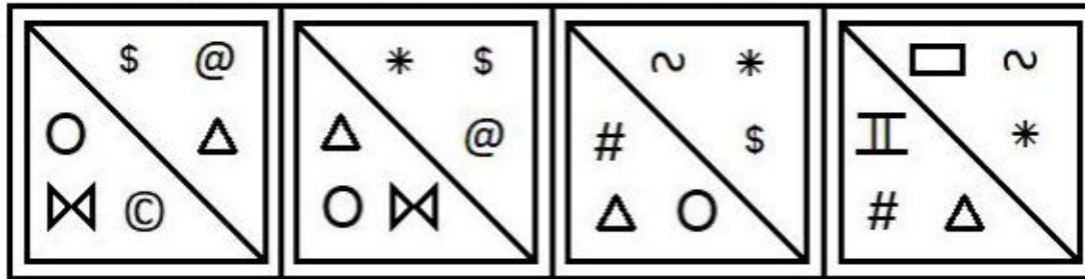
- I. D is twice as heavy as B and one and a half times as heavy as A. C is twice as heavy as A.
- II. D weighs as much as A, B and C together and B weighs half as much as A and C together with A weighing more than C.

Options :

- 90468437376. ✖ Statement I alone is sufficient
- 90468437377. ✖ Statement II alone is sufficient
- 90468437378. ✔ Either statement I alone or statement II alone is sufficient
- 90468437379. ✖ Both the statements I and II together are necessary

Question Number : 71 Question Id : 90468410748 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Select the figure that will come next in the following series.



Options :



90468437416. ✖



90468437417. ✔



90468437418. ✖



90468437419. ✖

Sub-Section Number :

5

Sub-Section Id :

9046842309

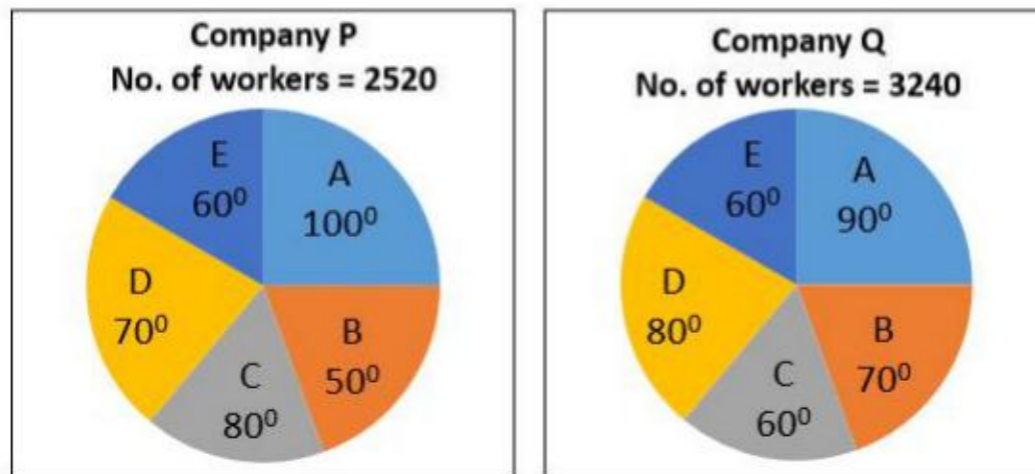
Question Shuffling Allowed :

Yes

Question Id : 90468410751 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (72 to 75)

2/4/2021

The given pie charts show the number of workers and the distribution of workers (in degrees) from five states A, B, C, D and E in two companies P and Q. Study the charts and answer the questions that follow:



Sub questions

Question Number : 72 Question Id : 90468410752 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The number of workers from states C and E in Company Q exceeds the workers from the same states in Company P by approximately:

Options :

- 90468437428. ✖ 9.25%
- 90468437429. ✔ 10.20%
- 90468437430. ✖ 10.75%
- 90468437431. ✖ 11.40%

Question Number : 73 Question Id : 90468410753 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the states has more number of workers in Company P than in Company Q?

Options :

- 90468437432. ✖ A
- 90468437433. ✖ B
- 90468437434. ✔ C
- 90468437435. ✖ E

Question Number : 74 Question Id : 90468410754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The number of workers from states C, D and E in Company Q is approximately what per cent of the number of workers from the same states in Company P (rounded off to the nearest integer)?

Options :

- 90468437436. ✖ 109%
- 90468437437. ✖ 112%
- 90468437438. ✔ 122%
- 90468437439. ✖ 124%

Question Number : 75 Question Id : 90468410755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The ratio of male to female workers from states A and B together is 4 : 3 for Company P and is 5 : 7 for Company Q. From both the states, the number of female workers in Company Q exceeds the number of female workers in Company P by:

Options :

- 90468437440. ✖ 270
- 90468437441. ✖ 290
- 90468437442. ✖ 350
- 90468437443. ✔ 390

Sub-Section Number :

6

Sub-Section Id :

9046842310

Question Shuffling Allowed :

Yes

Question Id : 90468410756 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Numbers : (76 to 79)

2/4/2021

The table shows the percentage of marks secured by five students in five subjects in their class annual examination.

Study the table and answer the questions that follow.

Percentage of marks secured by five students in five subjects (Subject-wise maximum marks are given in the brackets)					
Student	Physics (150)	Chemistry (150)	Zoology (150)	English (100)	Hindi (75)
P	80	75	65	72	74
Q	68	73	72	74	77
R	70	67	68	68	70
S	75	80	75	73	80
T	70	68	76	75	69

Sub questions

Question Number : 76 Question Id : 90468410757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

What is the average marks secured by student S in all the five subjects?

Options :

90468437444. ✖ 94.8

90468437445. ✖ 95.2

90468437446. ✔ 95.6

90468437447. ✖ 96.8

Question Number : 77 Question Id : 90468410758 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

How many students have secured the highest marks in more than one subject?

Options :

90468437448. ✖ 4

90468437449. ✖ 3

90468437450. ✔ 2

90468437451. ✖ 1

Question Number : 78 Question Id : 90468410759 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

A student is declared 'failed' if he/she secures less than 100 marks in subjects carrying 150 marks each and/or less than 70 marks in the subject carrying 100 marks and/or less than 50 marks in the subject carrying 75 marks, then how many students passed the examination?

Options :

90468437452. ✖ 1

90468437453. ✖ 2

90468437454. ✔ 3

90468437455. ✖ 4

Question Number : 79 Question Id : 90468410760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The total marks of student R in the three science subjects exceeds his total marks in the two language subjects by approximately:

Options :

90468437456. ✔ 155%

90468437457. ✖ 150%

90468437458. ✖ 148%

90468437459. ✖ 145%

Sub-Section Number :

7

Sub-Section Id :

9046842311

Question Shuffling Allowed :

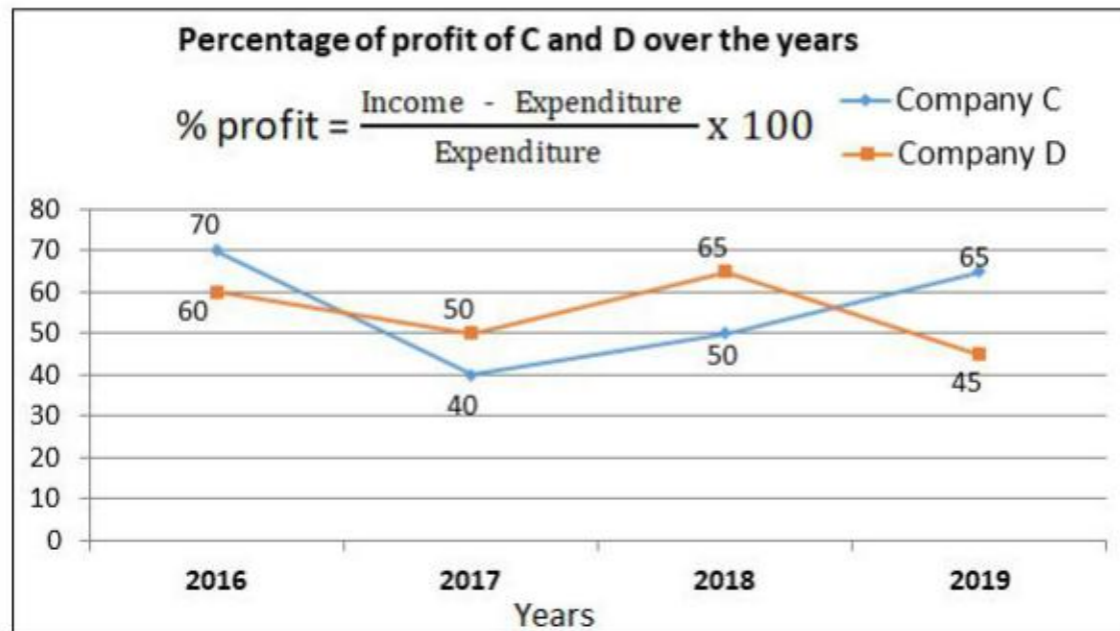
Yes

Question Id : 90468410761 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No
Question Numbers : (80 to 81)

2/4/2021

The following graph shows the percentage of profit of two Companies C and D over the period of four years.

Study the graph and answer the questions that follow.



Sub questions

Question Number : 80 Question Id : 90468410762 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If the incomes of both the Companies in the year 2018 are the same, then what is the ratio of their expenditures?

Options :

- 90468437460. ✖ 7 : 6
- 90468437461. ✔ 11 : 10
- 90468437462. ✖ 10 : 11
- 90468437463. ✖ 13 : 10

Question Number : 81 Question Id : 90468410763 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If the amount of expenditure remains the same over the years for Company D, in which of the following years, the amount of profit (income – expenditure) will be minimum for Company D?

Options :

- 90468437464. ✖ 2016
- 90468437465. ✖ 2017
- 90468437466. ✖ 2018
- 90468437467. ✔ 2019

Quantitative and Numerical Ability

Group Number :	4
Group Id :	9046841465
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	40
Is this Group for Examiner? :	No

Quantitative and Numerical Ability

Section Id :	9046841530
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	40
Number of Questions to be attempted :	40
Section Marks :	40
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842312

2/4/2021

Question Shuffling Allowed :

Yes

Question Number : 82 Question Id : 90468410764 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let $A = \{2,3,4,8,10\}$, $B = \{3,4,5,10,12\}$ and $C = \{4,5,6,12,14\}$ be the three sets. If $D = [(A \cup B) \cap (A \cup C)] - (B \cap C)$, then the number of elements in D is:

Options :

90468437468. ✖ 3

90468437469. ✔ 4

90468437470. ✖ 5

90468437471. ✖ 6

Question Number : 83 Question Id : 90468410765 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The number of elements in sets X and Y are p and q respectively. The total number of subsets of X is 112 more than that of Y. What is the value of $(2p - 3q)$?

Options :

90468437472. ✔ 2

90468437473. ✖ 4

90468437474. ✖ 6

90468437475. ✖ 8

Question Number : 84 Question Id : 90468410766 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let $A = \{2,4,6,9\}$ and $B = \{4,6,18,27,81\}$ be two sets. If $C = \{(x,y) \mid x \in A, y \in B \text{ such that } x \text{ is a factor of } y \text{ and } x < y\}$, then $n(C)$ is:

Options :

90468437476. ✖ 5

90468437477. ✖ 6

90468437478. ✔ 7

90468437479. ✖ 8

Question Number : 85 Question Id : 90468410767 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If function $f: \mathbb{R} \rightarrow \mathbb{R}$ is defined by $f(x) = 2x - 3$ and $g: \mathbb{R} \rightarrow \mathbb{R}$ is defined by $g(x) = x^3 + 5$, then the value of $(f \circ g)^{-1}(-9)$ is:

Options :

90468437480. ✖ -1

90468437481. ✔ -2

90468437482. ✖ 2

90468437483. ✖ 1

Question Number : 86 Question Id : 90468410768 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $f\left(1 - \frac{1}{x}\right) = \frac{5x+1}{x}$, $x \neq 0$, then $f(x) = k - x$, where $k = ?$

Options :

90468437484. ✔ 6

90468437485. ✖ 5

90468437486. ✖ 4

90468437487. ✖ 3

Question Number : 87 Question Id : 90468410769 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If $f(x) = 4x^3 - 8$, then what is the value of $f^{-1}(-8) + f^{-1}(24)$?

Options :

90468437488. ✖ -1

90468437489. ✖ 1

90468437490. ✔ 2

90468437491. ✖ 3

Question Number : 88 Question Id : 90468410770 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

There are 980 students in a school, out of which 50% play cricket, 30% play basketball and 40% play football. If 60 students play cricket and basketball, 48 students play basketball and football, 180 students play cricket and football, and 35 students play all the three games, then how many students play none of the games?

Options :

2/4/2021

- 90468437492. ✖ 73
- 90468437493. ✖ 67
- 90468437494. ✖ 63
- 90468437495. ✔ 57

Question Number : 89 Question Id : 90468410771 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The value of $\left(2\frac{2}{3} \times 4\frac{3}{8} \div 2\frac{1}{2}\right) \div \left[\left(2\frac{1}{3} + 2\frac{1}{2} - \frac{1}{6}\right) \div 2\frac{1}{3}\right]$ of $2\frac{4}{5}$ lies between:

Options :

- 90468437496. ✖ 0.6 and 0.7
- 90468437497. ✖ 0.7 and 0.8
- 90468437498. ✔ 0.8 and 0.9
- 90468437499. ✖ 0.9 and 1

Question Number : 90 Question Id : 90468410772 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In a class, $\frac{3}{5}$ of the total number of students are boys and the rest are girls. $\frac{4}{5}$ of the number of girls scored more than 80 marks (out of 150 marks). If $\frac{3}{5}$ of the total number of students scored more than 80 marks in the same examination, then what fraction of the total number of boys represent those boys who scored 80 marks or less?

Options :

- 90468437500. ✖ $\frac{7}{15}$
- 90468437501. ✔ $\frac{8}{15}$
- 90468437502. ✖ $\frac{7}{25}$
- 90468437503. ✖ $\frac{8}{25}$

Question Number : 91 Question Id : 90468410773 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The sum of the three fractions a, b and c, where $a < b < c$, is $\frac{37}{24}$. When a is divided by b, the result is $\frac{3}{16}$, which is less than c by $\frac{9}{16}$. What is the difference between (a + b) and c?

Options :

- 90468437504. ✖ $\frac{1}{12}$
- 90468437505. ✔ $\frac{1}{24}$
- 90468437506. ✖ $\frac{1}{16}$
- 90468437507. ✖ $\frac{1}{32}$

Question Number : 92 Question Id : 90468410774 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The value of $\frac{(0.\overline{66} + 0.\overline{33}) \div (0.1\overline{8} \times 11 \times 0.8\overline{3})}{0.2\overline{7}(0.8\overline{3} + 0.1\overline{6})}$ is:

Options :

2/4/2021

90468437508. ✖ $\frac{12}{17}$

90468437509. ✖ $\frac{18}{17}$

90468437510. ✖ $\frac{12}{85}$

90468437511. ✔ $\frac{36}{85}$

Question Number : 93 Question Id : 90468410775 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The value of $\frac{0.5 \times 0.0073 \times 14.5 \times 0.7}{0.0203 \times 2.92} - \frac{(0.25)^2 + (0.25)(19.99)}{(12.12)^2 - (8.12)^2}$ is:

Options :

90468437512. ✔ $\frac{9}{16}$

90468437513. ✖ $\frac{3}{8}$

90468437514. ✖ $\frac{1}{2}$

90468437515. ✖ $\frac{5}{8}$

Question Number : 94 Question Id : 90468410776 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The sum of the first 12 terms of the series $\frac{5}{6} + \frac{1}{6} + \frac{1}{14} + \frac{5}{126} + \dots$, is:

Options :

90468437516. ✖ $1\frac{2}{5}$

90468437517. ✔ $1\frac{1}{5}$

90468437518. ✖ $1\frac{1}{6}$

90468437519. ✖ $1\frac{1}{3}$

Question Number : 95 Question Id : 90468410777 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If $\sqrt{11 + 2\sqrt{18}} + \sqrt{17 - 12\sqrt{2}} = a + b\sqrt{2}$, then the value of $(3a - 2b)$ is:

Options :

90468437520. ✖ 16

90468437521. ✖ 17

90468437522. ✖ 19

90468437523. ✔ 20

Question Number : 96 Question Id : 90468410778 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

2/4/2021

Correct Marks : 1 Wrong Marks : 0

In a class, 60% of the students are girls and the rest are boys. 40% of the girls and 65% of the boys are players. The number of girls who are NOT players is 54. By what percentage is the number of girls who are players more than the number of boys who are NOT players?

Options :

90468437524. ✖ $41\frac{2}{3}\%$

90468437525. ✖ $45\frac{1}{3}\%$

90468437526. ✔ $71\frac{3}{7}\%$

90468437527. ✖ $74\frac{4}{7}\%$

Question Number : 97 Question Id : 90468410779 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Rekha has two items A and B. When she sells A at a loss of 15% and B at a profit of 25%, she earns no profit neither incurs loss. When she sells A at a profit of 25% and B at a loss of 10%, she earns a profit of ₹114. What is the difference between the cost prices of A and B?

Options :

90468437528. ✖ ₹200

90468437529. ✔ ₹240

90468437530. ✖ ₹250

90468437531. ✖ ₹280

Question Number : 98 Question Id : 90468410780 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A shopkeeper sells sarees for ₹1,056 each, after giving a discount of 12% on the marked price of the saree. Had he not given any discount, then he would have earned a profit of 25% on the cost price. The cost price of each saree is:

Options :

90468437532. ✖ ₹880

90468437533. ✖ ₹920

90468437534. ✔ ₹960

90468437535. ✖ ₹980

Question Number : 99 Question Id : 90468410781 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In 2018, the ratio of the price of articles A and B was 5 : 7. In 2019, the price of A increased by 20% and that of B decreased by ₹6.72. If the ratio of the price of A and B in 2019 is 20 : 21, then the price of B in 2018 was:

Options :

90468437536. ✔ ₹67.20

90468437537. ✖ ₹68.60

90468437538. ✖ ₹69.30

90468437539. ✖ ₹70

Question Number : 100 Question Id : 90468410782 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Anuja borrows a sum of ₹13,024 from a finance company and has to return it in two equal annual instalments. If the rate of interest charged is 12.5% p.a., compounded yearly, then the total interest paid by her is:

Options :

90468437540. ✖ ₹2,384

90468437541. ✔ ₹2,496

90468437542. ✖ ₹2,508

90468437543. ✖ ₹2,556

Question Number : 101 Question Id : 90468410783 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A boat covers a round trip journey between two points in a river. The points are 43.2 km apart. The time taken for the upstream journey is 1.8 hours more than the time taken for the downstream journey. If the speed of the water in the river is 2 km/h, then the total time (in hours) taken by the boat for a journey of 48 km upstream and 54 km downstream is:

Options :

2/4/2021

90468437544. ✖ $9\frac{1}{2}$

90468437545. ✖ $9\frac{3}{4}$

90468437546. ✖ $10\frac{3}{4}$

90468437547. ✔ $10\frac{1}{2}$

Question Number : 102 Question Id : 90468410784 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The cross-section of a canal is a rectangle surmounted by a semicircle. The length of the rectangle is the diameter of the semicircle and is equal to 10.5 m. The breadth of the rectangle is 6 m. If the water is flowing at a speed of 18 km/h,

then the volume (in kilolitres) of the water discharged in 16 seconds is (take $\pi = \frac{22}{7}$):

Options :

90468437548. ✖ 8,408

90468437549. ✖ 8,480

90468437550. ✔ 8,505

90468437551. ✖ 8,580

Question Number : 103 Question Id : 90468410785 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In an arithmetic progression a_1, a_2, \dots, a_n , if $a_1 + a_3 + a_5 = 108$ and $a_2 + a_4 + a_6 = 102$, then the 16th term of the progression is:

Options :

90468437552. ✖ 17

90468437553. ✖ 19

90468437554. ✔ 10

90468437555. ✖ 12

Question Number : 104 Question Id : 90468410786 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In an arithmetic progression with 23 terms, the sum of its 21st, 22nd and 23rd terms is 264, and the sum of the three middle terms is 144. What is the 18th term of the progression?

Options :

90468437556. ✖ 62

90468437557. ✖ 68

90468437558. ✔ 72

90468437559. ✖ 78

Question Number : 105 Question Id : 90468410787 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The sum of an infinite geometric series is 20 and the sum of the squares of its terms is 100. What is the sum of the first three terms of the original series?

Options :

90468437560. ✔ 15.68

90468437561. ✖ 14.64

90468437562. ✖ 13.32

90468437563. ✖ 12.28

Question Number : 106 Question Id : 90468410788 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If $15x^2 - 9x + 1 = 0$, then the value of $9x^2 + (25x^2)^{-1}$ is:

Options :

90468437564. ✖ $\frac{41}{25}$

2/4/2021

90468437565. ✓ $\frac{51}{25}$

90468437566. ✗ $\frac{66}{25}$

90468437567. ✗ $\frac{13}{25}$

Question Number : 107 Question Id : 90468410789 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If $ax + by - a + b = 0$ and $bx - ay - a - b = 0$, then the value of $(3x - 2y + 4)$ is:

Options :

- 90468437568. ✗ 5
- 90468437569. ✗ -1
- 90468437570. ✓ 9
- 90468437571. ✗ 10

Question Number : 108 Question Id : 90468410790 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

If one root of the equation $x^2 + (2k + 1)x + (k^2 + 2) = 0$ is twice the other root, then the value of k is a root of the equation:

Options :

- 90468437572. ✗ $x^2 - 5x - 3 = 0$
- 90468437573. ✗ $x^2 + 5x + 3 = 0$
- 90468437574. ✓ $x^2 - 5x + 4 = 0$
- 90468437575. ✗ $x^2 + 5x - 4 = 0$

Question Number : 109 Question Id : 90468410791 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The equation $|x^2 + x - 6| - 3x + 7 = 0$ has:

Options :

- 90468437576. ✗ 4 real roots
- 90468437577. ✗ 2 real roots
- 90468437578. ✗ 1 real root
- 90468437579. ✓ no real root

Question Number : 110 Question Id : 90468410792 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When 3 is subtracted from each of the given 'n' numbers, then the sum of the numbers so obtained is 84. When 8 is added to each of the given 'n' numbers, then the sum of the resulting numbers is 216. The mean of the given 'n' numbers is:

Options :

- 90468437580. ✗ 9.5
- 90468437581. ✓ 10
- 90468437582. ✗ 12
- 90468437583. ✗ 12.5

Question Number : 111 Question Id : 90468410793 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The mean of five observations is 4.4 and their variance is 8.24. If three of the five observations are 1, 4 and 9, then the product of other two observations is:

Options :

- 90468437584. ✗ 8
- 90468437585. ✗ 10
- 90468437586. ✓ 12
- 90468437587. ✗ 15

Question Number : 112 Question Id : 90468410794 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The mean deviation about the mean of the dataset 22, 24, 30, 27, 29, 31, 25, 28, 41, 43, 30 is:

Options :

- 90468437588. ✓ 4.5

2/4/2021

90468437589. ✖ 4.9

90468437590. ✖ 5.3

90468437591. ✖ 5.5

Question Number : 113 Question Id : 90468410795 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Consider the following distribution:

Age (in years)	5 – 7	7 – 9	9 – 11	11 – 13	13 – 15
Frequency	16	x	10	6	5

The mean of the distribution is 8.84 years. The value of x is:

Options :

90468437592. ✖ 8

90468437593. ✔ 13

90468437594. ✖ 18

90468437595. ✖ 23

Question Number : 114 Question Id : 90468410796 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let x be the median of the data:

20, 50, 60, 53, 77, 88, 90, 40, 30, 70, 25, 45, 64, 72, 8, 15, 85, 60, 55, 28.

If y is the median of the same dataset when 25 and 28 are replaced by 52 and 82 respectively, then what is the value of $|x - y|$?

Options :

90468437596. ✖ 2.5

90468437597. ✖ 3

90468437598. ✔ 3.5

90468437599. ✖ 4

Question Number : 115 Question Id : 90468410797 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

An integer is selected at random from the set $\{100, 101, 102, \dots, 999\}$. What is the probability that the sum of the digits of the selected number is the same as the product of its digits?

Options :

90468437600. ✖ $\frac{1}{75}$

90468437601. ✔ $\frac{1}{150}$

90468437602. ✖ $\frac{1}{180}$

90468437603. ✖ $\frac{1}{60}$

Question Number : 116 Question Id : 90468410798 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the standard deviation of the given data set:

25, 50, 45, 30, 70, 42, 36, 48, 34, 60 (correct to two decimal places).

Options :

90468437604. ✖ 13.33

90468437605. ✖ 13.31

90468437606. ✖ 13.14

90468437607. ✔ 13.08

2/4/2021

Question Number : 117 Question Id : 90468410799 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

From the top of a tower of height 18 m, a bullet is shot at an angle of depression of 60° to hit a target lying on the ground. The bullet missed the target and hit a point in between the line joining the foot of the tower and the target, which is 6 m away from the target. What is the tangent of the angle of depression at which the bullet should have been shot so as to hit the target?

Options :

90468437608. ✖ $2(\sqrt{3} + 1)$

90468437609. ✖ $\frac{3}{2}(\sqrt{3} + 1)$

90468437610. ✖ $3(\sqrt{3} + 2)$

90468437611. ✔ $\frac{3}{2}(\sqrt{3} - 1)$

Question Number : 118 Question Id : 90468410800 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

If $\cos^2\theta(\tan^2\theta - \sin^2\theta) \times (\tan^2\theta + \cot^2\theta + 2) = k - 1$, then $k = ?$

Options :

90468437612. ✖ $\sec\theta$

90468437613. ✖ $\operatorname{cosec}\theta$

90468437614. ✔ $\sec^2\theta$

90468437615. ✖ $\operatorname{cosec}^2\theta$

Question Number : 119 Question Id : 90468410801 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

$\frac{\sin\theta}{\sec\theta + \tan\theta - 1} - \frac{\cos\theta}{\operatorname{cosec}\theta + \cot\theta - 1}$ is equal to:

Options :

90468437616. ✖ $\operatorname{cosec}\theta \sec\theta$

90468437617. ✖ $\sin\theta \cos\theta$

90468437618. ✖ $\sin\theta - \cos\theta$

90468437619. ✔ $\cos\theta - \sin\theta$

Question Number : 120 Question Id : 90468410802 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

If $3\tan\theta + \cot\theta = 5\operatorname{cosec}\theta$, where $0^\circ < \theta < 90^\circ$, then the value of $\frac{\cos\theta + \sin\theta}{\cos\theta - \sin\theta}$ is:

Options :

90468437620. ✖ $1 + \sqrt{3}$

90468437621. ✔ $2 + \sqrt{3}$

90468437622. ✖ $\frac{1 + \sqrt{3}}{2}$

90468437623. ✖ $\frac{2 + \sqrt{3}}{2}$

Question Number : 121 Question Id : 90468410803 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No
Correct Marks : 1 Wrong Marks : 0

The value of $\frac{\sin^2 1^\circ + \sin^2 3^\circ + \sin^2 5^\circ + \dots + \sin^2 89^\circ}{\operatorname{cosec}^2 62^\circ - \tan 28^\circ \cot 62^\circ + (\sec^2 37^\circ - \cot^2 53^\circ)}$ is:

Options :

90468437624. ✖ 11

2/4/2021

90468437625. ✓ $11\frac{1}{4}$

90468437626. ✘ $12\frac{1}{2}$

90468437627. ✘ $22\frac{1}{2}$

Display Notepad Post Exam

Group Number :	5
Group Id :	9046841466
Group Maximum Duration :	3
Group Minimum Duration :	3
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	1
Is this Group for Examiner? :	No

Display Notepad Post Exam

Section Id :	9046841531
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	1
Number of Questions to be attempted :	1
Section Marks :	1
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842313
Question Shuffling Allowed :	No

Question Number : 122 Question Id : 90468410804 Question Type : SUBJECTIVE

Correct Marks : 1

Kindly display your Notepad (Rough Sheet) for 3 minutes before the webcam. Also show both pages both sides numbered 1,2,3 and 4. Kindly showcase as it is mandatory.