

CUET General Test Solutions SET A

Ques 1. From the given options, which pass connects Jammu with Srinagar ?

- (1) Banihal pass
- (2) Nathu La pass
- (3) Niti pass
- (4) Rohtang pass

Solu. Banihal Pass is a mountain pass located in the Pir Panjal Range of the Indian Himalayas that connects the Kashmir Valley with Jammu region in the Indian union territory of Jammu and Kashmir.

Ques 2. Which of the following is not correctly matched regarding Padma Awards-2024?

- (1) Padma Vibhushan Award → Shri Konidela Chiranjeevi
- (2) Padma Shri Award → Mithun Chakraborty
- (3) Padma Bhushan Award → M. Fathima Beevi
- (4) Padma Bhushan Award → Sitaram Jindal

Solu. The option that is not correctly matched regarding Padma Awards-2024 is:

- (4) Padma Bhushan Award → Sitaram Jindal

Ques 4. If $\sin A = 4/5$, then $(3 - \tan A)(2 + \cos A) =$

- (1) $12/5$
- (2) $13/3$
- (3) $13/5$
- (4) 3

Solu. Using the given value of $\sin A$, we can find $\cos A$ as $\sqrt{1 - \sin^2 A} = \sqrt{1 - (4/5)^2} = \sqrt{1 - 16/25} = \sqrt{9/25} = 3/5$.

Substitute these values into the expression $(3 - \tan A) * (2 + \cos A)$:
 $(3 - (\sin A / \cos A)) * (2 + \cos A) = (3 - (4/3)) * (2 + 3/5) = (9/3 - 4/3) * (10/5 + 3/5) = (5/3) * (13/5) = 13/3$.
So, the answer is option (2) $13/3$.

Ques 5. A man can row a boat at 8 km/h in still water. If the speed of the water current is 2 km/h and it takes him 2 hours to row to a place and come back, then how far off (in km) is the place?

- (1) 7.5
- (2) 6
- (3) 9.5
- (4) 10

Solu. Let x be the distance to the place.

Downstream speed: Speed of boat in still water + Speed of current = 8 km/h + 2 km/h = 10 km/h

Time downstream: Distance / Speed downstream = $x / 10$ km/h

Upstream speed: Speed of boat in still water - Speed of current = 8 km/h - 2 km/h = 6 km/h

Time upstream: Distance / Speed upstream = $x / 6$ km/h

Total time: Time downstream + Time upstream = 2 hours (given)

Solve the equation: $x / 10 + x / 6 = 2$

Simplify: $(3x + 5x) / 30 = 2$ Combine like terms: $8x / 30 = 2$ Multiply both sides by 30: $8x = 60$ Solve for x : $x = 60 / 8$ Distance to the place (x): $x = 7.5$ km

Therefore, the place is 7.5 km away. So the answer is (1) 7.5.

Ques 6. The following states were formed after 1960. What was the correct sequence of their formation?

- (A) Haryana
- (B) Sikkim
- (C) Nagaland
- (D) Goa

Choose the correct answer from the options given below.

- (1) (C), (B), (A), (D)

(3) (C), (D), (A), (B)

(2) (C), (A), (B), (D)

(4) (D), (C), (A), (B)

Ans. The correct sequence of state formation after 1960 is:

1. Nagaland (C): Established as a state in 1963.
2. Goa (D): Annexed by India in 1961 and became a union territory. Goa became a state in 1987.
3. Haryana (A): Carved out of Punjab in 1966.
4. Sikkim (B): Became the 22nd state of India in 1975.

Therefore, the answer is (2) (C), (A), (B), (D).

Ques 7. Out of the given options, which scheme's objective is to conduct an annual survey at the gram panchayat level to monitor the progress in the development process of rural areas ?

(1) Mission Antyodaya (2022-23)

(2) Mission Karmayogi (2022-23)

(3) Mission Rashtriya Gokul (2022-23)

(4) Mission Atmanirbhar Bharat (2022-23)

Ans. (1) The scheme whose objective is to conduct an annual survey at the gram panchayat level to monitor the progress in the development process of rural areas is Mission Antyodaya (2022-23).

Ques 8. Which one of the following countries is not a member of the "Quadrilateral Security Dialogue", also known as "QUAD" ?

(1) China

(3) India

(2) Japan

(4) Australia

Ans. (1) The country that is not a member of the "Quadrilateral Security Dialogue" (QUAD) is China.

Ques 9. Who has become the first woman chairperson of the Railway Board of Indian Railways in 2023 ?

- (1) Jaya Verma Sinha**
- (3) Ravneet Kaur**
- (2) Mita Vashishth**
- (4) Vasudha Gupta**

Solu. (3) The first woman chairperson of the Railway Board of Indian Railways in 2023 is Ravneet Kaur.

Ques 11. "Jhulaghat Suspension Bridge" between India and which country has become fully operational now?

- (1) Bhutan**
- (2) Nepal**
- (3) China**
- (4) Myanmar**

Solu. (1) "Jhulaghat Suspension Bridge" has become fully operational between India and Bhutan. This bridge enhances connectivity and facilitates easier movement of people and goods between the two countries, promoting bilateral trade and tourism.

Ques 12. Due to ocean acidification when the ocean becomes more acidic, what happens to the pH level of the ocean ?

- (1) The pH level goes down.**
- (2) The pH level stays the same.**
- (3) The pH level goes up.**
- (4) The pH level becomes zero.**

Solu. (1) Ocean acidification leads to a decrease in the pH level of the ocean, making it more acidic. This is due to the absorption of excess carbon dioxide by the ocean, which forms carbonic acid, lowering the pH level.

Ques 13. Who is the first para-athlete to receive the Padma Bhushan award in India?

- (1) Bhavina Patel**
- (2) Devendra Jhajharia**
- (3) Avani Lekhara**
- (4) Mariyappan Thangavelu**

Solu. (2) Devendra Jhajharia is the first para-athlete to receive the Padma Bhushan award in India. He is a renowned javelin thrower and has brought laurels to the country by winning multiple Paralympic medals.

Ques 14. Zemu Glacier is located in which state of India?

- (1) Uttarakhand**
- 2) Himachal Pradesh**
- (3) Sikkim**
- (4) Arunachal Pradesh**

Solu. (3) Zemu Glacier is located in the state of Sikkim, India. It is one of the largest glaciers in the eastern Himalayas and a significant source of water for the Teesta River.

Ques 15. Who among the following is Chile's first woman President?

- (1) Mary Robinson**
- (2) Michelle Bachelet**
- (3) Kim Campbell**
- (4) Jennifer Shipley**

Solu. (2) Michelle Bachelet is Chile's first woman President. She served as President of Chile twice, from 2006 to 2010 and then from 2014 to 2018, and played a significant role in advancing social reforms and human rights in the country.

Ques 16. Which organisation developed and launched 'Ugrait: Indigenous Assault Rifle for the armed forces ?

- (1) ISRO**

- (3) HAL
- (2) BEL
- (4) DRDO

Solu. (4) The organization that developed and launched 'Ugrait: Indigenous Assault Rifle for the armed forces is DRDO (Defence Research and Development Organisation).

Ques 17. Which of the following substances is a bad conductor of electricity?

- (1) Diamond
- (2) Gold
- (3) Silver
- (4) Graphite

Solu. (1) The substance that is a bad conductor of electricity is Diamond. Diamond is an electrical insulator due to its strong covalent bonds, which do not allow for the movement of electrons required for electrical conductivity.

Ques 18. Which of the following disease is caused due to the deficiency of proteins?

- (1) Arthritis
- (3) Goitre
- (2) Kwashiorkor
- (4) Night Blindness

Solu. (2) The disease caused due to the deficiency of proteins is Kwashiorkor. This condition is a form of severe acute malnutrition characterized by inadequate protein intake, leading to symptoms such as edema, muscle wasting, and skin lesions.

Ques 20. DRDO has conducted the first successful flight test of Agni-5 missile equipped with MIRV technology. What is the full form of MIRV?

- (1) Multiple Independently Targetable Re-Entry Vehicle**
- (2) Mission India Target Re-Entry Vehicle**
- (3) Multiple Independently Technology Re-Entry Vehicle**
- (4) Multiple Indirect Targetable Re-Entry vehicle**

Solu. (1) The correct full form of MIRV is (1) Multiple Independently Targetable Re-Entry Vehicle. It's a technology that allows a single ballistic missile to carry multiple warheads, each capable of being independently targeted at different targets.

Ques 21. Which Indian has won the "Ramon Magsaysay Award-2023" ?

- (1) Korvi Rakshand**
- (2) Ashwini Kumar**
- (3) Dipti Ranjan Sahoo**
- (4) Dr. Ravi Kannan R.**

Solu. The correct answer is (3) Dipti Ranjan Sahoo. He won the Ramon Magsaysay Award in 2023 for his exceptional work in promoting the education and welfare of underprivileged children in Odisha, India.

Ques 22. Who has been appointed the Chairman of the 16th Finance Commission of India?

- (1) Ajay Narayan Jha**
- (2) Smt. Annie George Mathew**
- (3) Pradip Kumar Mohanty**
- (4) Dr. Arvind Panagariya**

Solu. (1) The correct answer is (1) Ajay Narayan Jha. He served as the Chairman of the 16th Finance Commission of India.

Ques 23. Sri Ranganathswamy Temple which is situated in Tamil Nadu, is dedicated to which deity?

- (1) Lord Shiva**
- (2) Lord Vishnu**
- (3) Goddess Durga**
- (4) Goddess Lakshmi**

Solu. (2) The Sri Ranganathaswamy Temple, situated in Tamil Nadu, is dedicated to (2) Lord Vishnu. It's one of the most prominent and largest temple complexes in India, dedicated to Lord Vishnu in his reclining form, known as Ranganatha.

Ques 24. The Election Commission of India gets the power to conduct elections from which of the following articles ?

- (1) Article 324**
- (3) Article 264**
- (2) Article 280**
- (4) Article 26**

Solu. (1) The power of the Election Commission of India to conduct elections is derived from (1) Article 324 of the Indian Constitution. This article empowers the Election Commission to oversee the conduct of elections to the Parliament, State Legislatures, and the offices of the President and Vice-President of India.

Ques 26. In which state is "Amchang Wildlife Sanctuary" located?

- (1) Assam**
- (3) Odisha**
- (2) Rajasthan**
- (4) Manipur**

Solu. (1) The "Amchang Wildlife Sanctuary" is located in (1) Assam. It's an important wildlife sanctuary in Assam, India, known for its biodiversity and conservation efforts.

Ques 27. India's first 3D-printed Post Office has been inaugurated in:

- (1) Guwahati
- (2) Kolkata
- (3) Mumbai
- (4) Bengaluru

Solu. India's first 3D-printed Post Office has been inaugurated in (3) Mumbai.

Ques 28. What should come in the place of the question mark (?) in the following alphanumeric series?

A1X, B4P, E25J, J100F, ?

- (1) 0289D
- (2) 0225E
- (3) Q289D
- (4) Q225E

Solu. (4) The given alphanumeric series follows a pattern where the first character represents a letter in the alphabet, the second character represents a number (which is the square of a consecutive integer), and the third character represents another letter.

- A1X: A is the 1st letter, 1 is 1 squared, X is the 24th letter.
- B4P: B is the 2nd letter, 4 is 2 squared, P is the 16th letter.
- E25J: E is the 5th letter, 25 is 5 squared, J is the 10th letter.
- J100F: J is the 10th letter, 100 is 10 squared, F is the 6th letter.

Following the pattern, the next element in the series should be:

- K: 11th letter
- 121: 11 squared
- ?

So, the answer is (4) Q225E.

Ques 29. In the given analogy, choose the word which w replace the question mark:

NEGI: MVTR :: SING: ?

- (1) TRNS
- (2) TRNT
- (3) FRMT
- (4) HRMT

Solu. In the given analogy, each letter in the first word "NEGI" is moved four positions forward in the alphabet to get the corresponding letters in the second word "MVTR".

$$N + 4 = M$$

$$E + 4 = I$$

$$G + 4 = K$$

$$I + 4 = U$$

Similarly, applying the same logic to the word "SING":

$$S + 4 = W$$

$$I + 4 = U$$

$$N + 4 = R$$

$$G + 4 = K$$

So, the word that replaces the question mark is (4) HRMT.

Ques 30. In a certain code language 'ki ru pi' means 'nobody like cruel', 'ki mi cha' means 'king was cruel' and 'ru pi cha' means 'nobody like king'. What is the code for 'was' in the given code language ?

- (1) ki
- (3) cha
- (2) mi
- (4) ru

Solu. (2) To find the code for "was" in the given code language, we can observe the common words between the given sentences:

1. 'ki ru pi' means 'nobody like cruel'
2. 'ki mi cha' means 'king was cruel'
3. 'ru pi cha' means 'nobody like king'

From these sentences, we can see that:

- 'ki' is common in sentences 1 and 2, representing 'nobody'.

- 'ru' is common in sentences 1 and 3, representing 'like'.
 - 'pi' is common in sentences 1 and 3, representing 'cruel'.
 - 'cha' is common in sentences 2 and 3, representing 'king'.
 - 'mi' is present only in sentence 2, representing 'was'.
- So, the code for "was" in the given code language is (2) mi.