



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
०५/२०२४ - एनटीपीसी स्नातक स्तर - CEN - 05/2024 - NTPC Graduate Level



Test Center Name	iON Digital Zone iDZ Mandi Samiti Road
Test Date	13/10/2025
Test Time	2:30 PM - 4:00 PM
Subject	RRB NTPC Graduate Level II

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : RRB NTPC Graduate Level II

Q.1 Find the value of the following expression.

$$1\frac{3}{2} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{3}{5}$$

Ans

✗ 1. $\frac{3}{2}$

✗ 2. $\frac{18}{11}$

✗ 3. $\frac{6}{5}$

✓ 4. $\frac{8}{5}$

Q.2 Ramanand spends 48% of his income on food, 25% on house rent, 12% on conveyance and 60% of the remaining on children's education. Find the percentage of his income left with him.

Ans ✗ 1. 9.98%

✗ 2. 9%

✓ 3. 6%

✗ 4. 8.25%

Q.3 A shop offers three successive discounts of 10%, 15% and 20% on a product. Find the single equivalent discount percentage that would result in the same final price.

Ans ✗ 1. 45%

✗ 2. 40.8%

✓ 3. 38.8%

✗ 4. 42.8%



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Q.4 Which of the following regions did the Shakas (Scythians) migrate from before entering India?

- Ans ☒ 1. Central Asia
☒ 2. North Africa
☒ 3. Southeast Asia
☒ 4. Western Europe

Q.5 In a certain code language,
 $A + B$ means 'A is the mother of B'
 $A - B$ means 'A is the brother of B'
 $A \times B$ means 'A is the wife of B'
 $A \div B$ means 'A is the father of B'

Which of the following means that S is daughter of P?

- Ans ☒ 1. $P \times Q + R - S \div T$
☒ 2. $P \times Q \div R + S - T$
☒ 3. $P \times Q \div R - S + T$
☒ 4. $P - Q \div R \times S + T$

Q.6 What should come in place of the question mark (?) in the given series?

9, 25, 57, 105, 169, ?

- Ans ☒ 1. 250
☒ 2. 249
☒ 3. 248
☒ 4. 247

Q.7 LMNO is a cyclic quadrilateral such that $\angle M = 102^\circ$. The tangents at L and N meet at a point P. What is the measure of $\angle LPN$?

- Ans ☒ 1. 20°
☒ 2. 24°
☒ 3. 22°
☒ 4. 26°

Q.8 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

WOG ASK EWO IAS MEV QIA

- Ans ☒ 1. IAS
☒ 2. EWO
☒ 3. MEV
☒ 4. QIA

Q.9 This question is based on the following words.

GOT HER WAR FIT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear? 4139

- Ans ☒ 1. Three
☒ 2. One
☒ 3. Two
☒ 4. Four



Q.10 What is the full form of SGSY, a policy aimed at poverty alleviation in India?

- Ans
- ☐ 1. Swachh Gram Swarozgar Yojana
 - ☐ 2. Swarna Jayanti Gram Samridhhi Yojana
 - ☐ 3. Swabhimaan Gram Suraksha Yojana
 - ☒ 4. Swarnjayanti Gram Swarozgar Yojana

Q.11 Which of the following statements is INCORRECT about the Kumbh Mela?

- Ans
- ☒ 1. The Kumbh Mela is held in Ujjain on the banks of Narmada.
 - ☐ 2. The Kumbh Mela is held in Prayagraj on the banks of the Ganges.
 - ☐ 3. The Kumbh Mela is held in Nasik on the banks of Godavari.
 - ☐ 4. The Kumbh Mela is held in Haridwar on the banks of the Ganges.

Q.12 If x is inversely proportional to y , and $y = 6$ when $x = 4$, find the va

- Ans
- ☐ 1. $\frac{8}{23}$
 - ☐ 2. $\frac{19}{12}$
 - ☒ 3. $\frac{3}{4}$
 - ☐ 4. $\frac{15}{13}$

Q.13 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$8 \text{ C } 7 \text{ B } 24 \text{ D } 8 \text{ A } 5 = ?$$

- Ans
- ☒ 1. 58
 - ☐ 2. 57
 - ☐ 3. 56
 - ☐ 4. 59

Q.14 The total surface area of a solid hemisphere is 155 cm^2 . Its radius (in c

- 8
- Ans
- ☐ 1. $\sqrt{\frac{1077}{132}}$
 - ☐ 2. $\sqrt{\frac{1094}{66}}$
 - ☒ 3. $\sqrt{\frac{1085}{66}}$
 - ☐ 4. $\sqrt{\frac{1090}{66}}$



Q.15 According to the Ministry of Power, which of the following is the primary source of energy in India? (As of May 2023).

- Ans
- ☐ 1. Solar
 - ☐ 2. Nuclear
 - ☐ 3. Hydroelectric
 - ☒ 4. Thermal

Q.16 What was one of the reasons for including Fundamental Duties in the Constitution according to HR Gokhale?

- Ans
- ☐ 1. To create a legal framework for taxes
 - ☐ 2. To enhance the rights of citizens
 - ☒ 3. To strengthen democracy by balancing rights with duties
 - ☐ 4. To address anti-national activities and subversive agitations

Q.17 In a certain code, 'lion tiger cat' is coded as 'dz ph st', 'cat dog horse' is coded as 'lp jk st', and 'dog lion rat' is coded as 'ug ph jk'. What is the word 'tiger' coded as in that code? (All the codes are two letter coded only.)

- Ans
- ☐ 1. ph
 - ☐ 2. jk
 - ☒ 3. dz
 - ☐ 4. st

Q.18 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$60 + 15 \div 3 - 10 \times 2 = ?$$

- Ans
- ☒ 1. 20
 - ☐ 2. 22
 - ☐ 3. 21
 - ☐ 4. 19

Q.19 The amount (in ₹) payable after 1 year on a principal of ₹10,000 at 6% per annum compounded half-yearly is:

- Ans
- ☐ 1. 10,600
 - ☐ 2. 10,605
 - ☒ 3. 10,609
 - ☐ 4. 10,906

Q.20 Which of the following were prominent leaders of the Extremist phase of the Indian National Movement, who emphasised Swadeshi, self-reliance, and direct action against British rule?

- Ans
- ☒ 1. Bipan Chandra Pal, Bal Gangadhar Tilak and Ashwini Kumar Dutt
 - ☐ 2. Raja Ram Mohan Roy, Ishwar Chandra Vidyasagar and MG Ranade
 - ☐ 3. Surendranath Banerjee, Pherozeshah Mehta and Ananda Charlu
 - ☐ 4. Dadabhai Naoroji, Gopal Krishna Gokhale and MG Ranade

Q.21 The value of $4^2 + \sqrt{6^2} - 5\sqrt{9} - 11$ is

- Ans
- ☐ 1. -9
 - ☒ 2. -4
 - ☐ 3. 3
 - ☐ 4. -2



Q.22 A dishonest shopkeeper promises to sell his goods at cost price. How written on it. Find his profit percentage.



Ans

✗ 1. $64\frac{46}{63}\%$

✗ 2. $63\frac{46}{63}\%$

✗ 3. $60\frac{46}{63}\%$

✓ 4. $58\frac{46}{63}\%$

Q.23 Which of the following options accurately describes how ASCII ensures backward compatibility with Unicode?

✗ 1. ASCII was revised to include all Unicode symbols beyond U+007F.

✓ 2. Unicode's first 128 code points match the ASCII values exactly.

✗ 3. Unicode deprecated ASCII control characters entirely.

✗ 4. ASCII uses 8-bit encoding identical to Unicode's full range.

Q.24 A shopkeeper lists the price of a fan at 50% above its cost price and offers a 10% discount on its list price. If he earns a profit of ₹56, then what is the list price (in ₹) of the fan?

Ans ✓ 1. 240

✗ 2. 260

✗ 3. 324

✗ 4. 493

Q.25 From a bus depot, buses leave every 8 minutes and travel along a straight road at a speed of 24 km/hr. A traveller moving towards the depot along the same road meets the buses at regular intervals of 6 minutes. Find the speed of the traveller.

Ans ✗ 1. 6 km/hr

✗ 2. 5 km/hr

✓ 3. 8 km/hr

✗ 4. 3 km/hr

Q.26 If you have three variables—X, Y and Z—and want to display X vs Y and represent Z through marker size on a chart, which chart type is most appropriate in MS Excel?

Ans ✗ 1. Scatter Chart

✓ 2. Bubble Chart

✗ 3. Line Chart

✗ 4. Area Chart

Q.27 What should come in place of the question mark (?) in the given series?

14, 25, 47, 80, 124, ?

Ans ✓ 1. 179

✗ 2. 177

✗ 3. 180

✗ 4. 178



Q.28 As per data of 2011-2012 published in Niti Aayog Annual Report 2014-2015, which of the following states has the highest percentage of people below the poverty line? Ans ☒ 1. Jharkhand ☒ 2. Bihar ☒ 3. Chhattisgarh ☒ 4. Arunachal Pradesh
Q.29 On which of the following dates was the first session of the Rajya Sabha held? Ans ☒ 1. 26 November 1952 ☒ 2. 13 May 1952 ☒ 3. 3 April 1950 ☒ 4. 26 November 1951
Q.30 The ratio of the cost prices of articles X and Y is 2 : 3. A man earns a profit of 43% by selling X and loses 12% by selling Y. What is his gain/loss percentage in the entire transaction? Ans ☒ 1. Gain, 9.5% ☒ 2. Loss, 11.5% ☒ 3. Loss, 10% ☒ 4. Gain, 10%
Q.31 Who has been appointed as the first woman Vice Chancellor of the Indira Gandhi National Open University (IGNOU) on July 2025? Ans ☒ 1. Prof. Uma Kanjilal ☒ 2. Prof. Anu Singh Lather ☒ 3. Prof. Shashikala Wanjari ☒ 4. Dr. Najma Akhtar
Q.32 A concave lens has a focal length of 20 cm. An object is placed in front of the lens such that it forms a virtual image at 10 cm from the lens on the same side as the object. What is the magnification that the lens produces? Ans ☒ 1. Magnification = 0.66 ☒ 2. Magnification = 0.75 ☒ 3. Magnification = 0.5 ☒ 4. Magnification = 0.33
Q.33 India shares its land boundaries with seven countries. Which of the following does NOT share a direct land boundary with India? Ans ☒ 1. Tajikistan ☒ 2. Bhutan ☒ 3. Pakistan ☒ 4. Myanmar
Q.34 Refer to the following letter, number, symbol series and answer the question. Counting to be done from left to right. (Left) \$ T 1 & 9 Z 7 * A 0 # K @ N Z (Right) How many such numbers are there which are immediately preceded by a symbol and also immediately followed by a letter? Ans ☒ 1. One ☒ 2. None ☒ 3. Two ☒ 4. Four

Q.35 What is the effect of using Ctrl + J in MS Word, and how is it distinct from Ctrl + Shift + J?

- Ans ☐ 1. Both shortcuts justify text identically
- ☐ 2. Ctrl + J centers text; Ctrl + Shift + J varies justification
- ☐ 3. Ctrl + J left-aligns; Ctrl + Shift + J right-aligns
- ☒ 4. Ctrl + J justifies text; Ctrl + Shift + J applies distributed justification where last line is also stretched

Q.36 There are 80 students in a hostel. Due to new admissions, 30 new students join the mess, and the daily expense of the mess increases by ₹260, while the average expenditure per head diminishes by ₹10. What was the original daily expenditure (in ₹, rounded off to the nearest tens) of the mess?

- Ans ☐ 1. 3,720
- ☐ 2. 4,220
- ☐ 3. 4,020
- ☒ 4. 3,630

Q.37 A, B, C, D, E and F have different heights. E is taller than exactly 4 people and F is shorter than exactly 4 people. D is shorter than A but taller than C. C is not the shortest. How many people are shorter than C?

- Ans ☐ 1. 1
- ☒ 2. 2
- ☐ 3. 4
- ☐ 4. 3

Q.38 The LCM of the numbers 5, 155 and 83 is:

- Ans ☐ 1. 12685
- ☐ 2. 12425
- ☐ 3. 12245
- ☒ 4. 12865

Q.39 9 is related to 55 following a certain logic. Following the same logic, 12 is related to 73. To which of the given options is 16 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans ☒ 1. 97
- ☐ 2. 96
- ☐ 3. 99
- ☐ 4. 98

Q.40 In which of the following states did the Indian Army conduct a high-altitude technology demonstration exercise named 'Divya Drishti' in July 2025?

- Ans ☐ 1. Kerala
- ☐ 2. Arunachal Pradesh
- ☒ 3. Sikkim
- ☐ 4. Uttarakhand

Q.41 Which of the following courts deals with civil cases of small pecuniary stake in India?

- Ans ☐ 1. Chief Judicial Magistrate
- ☒ 2. Court of Munsiff
- ☐ 3. Court of Subordinate Judge
- ☐ 4. Sessions Court



Q.42 Which of the following numbers is divisible by 93?

- Ans ☒ 1. 856497
☒ 2. 855786
☒ 3. 858226
☒ 4. 856159

Q.43 India is divided into _____ agroclimatic regions.

- Ans ☒ 1. 12
☒ 2. 15
☒ 3. 11
☒ 4. 14

Q.44 In this question, a statement is given followed by two courses of action, numbered I and II. You must assume everything in the statement to be true, and on the basis of the information given in the statement, decide which of the given courses of action logically follow(s) for pursuing.

Statement:

Many students in rural schools fail to clear the basic reading and writing tests due to lack of trained teachers and poor infrastructure.

Courses of Action:

- I. Immediate recruitment and training of teachers should be carried out in rural areas.
 II. All students failing the tests should be expelled from schools to maintain quality.

- Ans ☒ 1. Neither I nor II follows
☒ 2. Only I follows
☒ 3. Only II follows
☒ 4. Both I and II follow

Q.45 Which of the following electron configurations is NOT possible according to the Bohr-Bury rules?

- Ans ☒ 1. 2, 8, 3
☒ 2. 2, 8, 8, 1
☒ 3. 2, 9, 7
☒ 4. 2, 8, 5

Q.46 A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Five people P, Q, R, S and T are sitting in a row, all facing north. Who is sitting second from the left end?

Statements:

- I. P is sitting to the immediate right of T. P is sitting to the immediate left of S.
 II. Only T is sitting between P and Q.

- Ans ☒ 1. Both statements I and II together are NOT sufficient to answer the question
☒ 2. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
☒ 3. Data in statement I alone is sufficient to answer the question while data in statement II is not
☒ 4. Data in statement II alone is sufficient to answer the question while data in statement I is not



Q.47 Simplify the following.

$$\frac{4^3 \times 4^4 \times 2^4}{4^2 \times 8}$$

- Ans ☒ 1. 2055
☒ 2. 2048
☒ 3. 2039
☒ 4. 2043

Q.48 In Slide Show, which option ensures that only a specific set of slides is played during an MS PowerPoint 2019 presentation without creating a new file?

- Ans ☒ 1. Loop continuously until Esc
☒ 2. Show slides: From – To range
☒ 3. Browsed at a kiosk
☒ 4. Use Custom Slide Show

Q.49 Who among the following laid the foundation of the Kanva dynasty?

- Ans ☒ 1. Pushyamitra
☒ 2. Rudradaman
☒ 3. Menander
☒ 4. Vasudeva

Q.50 What is the remainder when the smallest positive number that leaves a remainder of 5 upon division by each of 12, 15 and 20 is divided by 4?

- Ans ☒ 1. 2
☒ 2. 3
☒ 3. 0
☒ 4. 1

Q.51 Global Tiger Day, also known as International Tiger Day, is observed every year on which day?

- Ans ☒ 1. 25 July
☒ 2. 29 July
☒ 3. 30 July
☒ 4. 15 July

Q.52 On 16 June 2025, during his visit to Nicosia, Prime Minister Narendra Modi received which distinction from Cyprus, named after its first President?

- Ans ☒ 1. Grand Collar of the Order of Makarios III
☒ 2. Grand Cross of the Order of Makarios III
☒ 3. Grand Cross of the Order of Makarios IV
☒ 4. Grand Collar of the Order of Makarios IV

Q.53 Pure ghee costs ₹86/kg. After adulterating it with vegetable oil costing ₹43/kg, a dishonest shopkeeper sells the mixture at the rate of ₹80/kg, thereby making a profit of 60%. In what ratio does he mix the two?

- Ans ☒ 1. 6 : 41
☒ 2. 11 : 34
☒ 3. 3 : 38
☒ 4. 7 : 36



Q.54 The radius of a right circular cone is 8 cm and its height is 15 cm. The total surface area of the cone is:

- Ans ☒ 1. $136\pi \text{ cm}^2$
☒ 2. $200\pi \text{ cm}^2$
☒ 3. $184\pi \text{ cm}^2$
☒ 4. $64\pi \text{ cm}^2$

Q.55 Find the simplified value of $24 - 3 \times 15 - 3 \times 17 - 3$.

- Ans ☒ 1. $\frac{1}{6144^3}$
☒ 2. $\frac{1}{6084^3}$
☒ 3. $\frac{1}{6120^3}$
☒ 4. $\frac{1}{6108^3}$

Q.56 As per Zoological Survey of India's 'Animal Discoveries - New Species and New Records 2023', which species is recognised as the largest existing bovine in India?

- Ans ☒ 1. Nilgai
☒ 2. Yak
☒ 3. Wild water buffalo
☒ 4. Gaur

Q.57 Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons.

In row 1, A, D, G and F are seated and all of them are facing south.

In row 2, P, R, N and Z are seated and all of them are facing north.

Thus, each person faces another person from the other row.

Z sits third to the left of R. The one facing F is an immediate neighbour of R. A sits at some place to the right of F and is not facing P. D sits third to the right of G. Who amongst the following faces N?2564

- Ans ☒ 1. A
☒ 2. P
☒ 3. Z
☒ 4. G

Q.58 Which Article of the Constitution of India contains the provisions regarding 'Rights of citizenship of certain persons of Indian origin residing outside India'?

- Ans ☒ 1. Article 11
☒ 2. Article 5
☒ 3. Article 8
☒ 4. Article 13

Q.59 If ₹10,000 becomes ₹12,100 in 2 years at compound interest compounded annually, what is the annual percentage rate of compounding?

- Ans ☒ 1. 12
☒ 2. 10
☒ 3. 8
☒ 4. 9



Q.60 Which statement is correct about neutrons?

- Ans ☒ 1. They are neutral.
- ☐ 2. They have positive charge.
- ☐ 3. They have negative charge.
- ☐ 4. They are heavier than protons.

Q.61 In August 2025, Union Minister Dr Jitendra Singh inaugurated which facility in Hyderabad, marking India's first of its kind?

- Ans ☐ 1. India's first Animal Genome Sequencing Center
- ☐ 2. India's first Veterinary Vaccine Research Institute
- ☒ 3. India's first State-of-the-Art Animal Stem Cell Biobank and Laboratory
- ☐ 4. India's first Animal Cloning and Biotechnology Laboratory

Q.62 The Intergovernmental Panel on Climate Change (IPCC), founded in 1988 to address global warming, was established by which two organisations?

- Ans ☐ 1. International Energy Agency (IEA) and World Trade Organization (WTO)
- ☐ 2. World Bank and International Monetary Fund (IMF)
- ☐ 3. UN Development Programme (UNDP) and UN Framework Convention on Climate Change (UNFCCC)
- ☒ 4. World Meteorological Organization (WMO) and United Nations Environment Programme (UNEP)

Q.63 In the context of the Revolt of 1857, what did the General Service Enlistment Act of 1856 require of sepoys?

- Ans ☐ 1. Prohibition on wearing religious symbols such as caste marks or beards
- ☒ 2. Compulsory overseas service, violating the religious beliefs of some sepoys
- ☐ 3. Mandatory conversion of sepoys to Christianity before joining service
- ☐ 4. Restriction on marrying without the permission of British officers

Q.64 The mean of three numbers is 15. If 2 is added to each of these numbers, what will be the new mean?

- Ans ☐ 1. 18
- ☒ 2. 17
- ☐ 3. 15
- ☐ 4. 16

Q.65 Ajit starts from point A and drives 8 km towards east. He then takes a right turn and drives 17 km. He takes a final left turn and drives 10 km and stops at point B. Vishal starts from point P, which is 13 km east of point A, and drives 6 km towards east. He then takes a right turn and drives 17 km. He takes a final left turn and drives 1 km and stops at point Q. What is the shortest distance between point Q and point B? (All turns are 90-degree turns only.)

- Ans ☐ 1. 3 km
- ☒ 2. 2 km
- ☐ 3. 1 km
- ☐ 4. 4 km

Q.66 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☐ 1. NR-OS
- ☒ 2. DH-DK
- ☐ 3. QU-RV
- ☐ 4. VZ-WA



Q.67 What is China's global infrastructure initiative aimed at fostering connectivity worldwide, launched in 2013?

- Ans ☒ 1. Belt and Road Initiative
☒ 2. Economic Belt Initiative
☒ 3. Great Wall Initiative
☒ 4. Economic Corridor

Q.68 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$50 - 8 + 2 \div 6 \times 4 = ?$$

- Ans ☒ 1. 57
☒ 2. 55
☒ 3. 54
☒ 4. 56

Q.69 J, K, L, M, P and Q each scored different marks. Only two people have scored between P and K. Only one person has scored more than M. Only three people have scored between M and P. Q has scored more than L but less than J. How many people have scored less than L?

- Ans ☒ 1. Four
☒ 2. Two
☒ 3. Three
☒ 4. One

Q.70 A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. E sits third to the left of B. E does not sit at the centre of any side. F sits second to the right of B. G is the immediate neighbour of D and B. H sits to the immediate left of F. C does not sit in a corner. How many people sit between D and A when counted from the left of D?2904

- Ans ☒ 1. Two
☒ 2. Five
☒ 3. One
☒ 4. Four

Q.71 Which HTTP status code indicates that a requested web page has been permanently moved to a new location?

- Ans ☒ 1. 302
☒ 2. 500
☒ 3. 301
☒ 4. 404

Q.72 In which country is the Inuvik port located, which is the gateway to Western Arctic?

- Ans ☒ 1. Greenland
☒ 2. Sweden
☒ 3. Russia
☒ 4. Canada

Q.73 The simple interest on a certain sum of money at 8% per annum for 3 years is ₹360 more than the simple interest on the same sum at 6% per annum for 3 years. Find the principal.

- Ans ☒ 1. ₹7,200
☒ 2. ₹6,000
☒ 3. ₹3,600
☒ 4. ₹4,800



Q.74 Animals with high energy needs, like birds and mammals, have:

- Ans ☐ 1. a two-chambered heart
☐ 2. a three-chambered heart
☐ 3. a single-chambered heart
☒ 4. a four-chambered heart

Q.75 An object of mass 8 kg is placed 7 meters above the ground. What is the energy it possesses? (Take $g=10 \text{ m/s}^2$)

- Ans ☐ 1. 224 J
☐ 2. 80 J
☐ 3. 56 J
☒ 4. 560 J

Q.76 What is the average of 6, 8, 10 and 12?

- Ans ☐ 1. 8
☐ 2. 7
☒ 3. 9
☐ 4. 10

Q.77 In August 2025, researchers demonstrated that genetically engineered Escherichia coli (E. coli) bacteria can function as which of the following, directly interfacing with electronics?

- Ans ☒ 1. Self-powered chemical sensors
☐ 2. Bio-fueled medical implants
☐ 3. Microbial fuel cells for electricity generation
☐ 4. Wireless energy storage units

Q.78 Rash Behari Ghosh, a leader inclined towards the Moderate wing of the Indian National Congress, presided over which two Congress sessions?

- Ans ☐ 1. Lahore (1909) and Calcutta (1911)
☒ 2. Surat (1907) and Madras (1908)
☐ 3. Bombay (1885) and Madras (1887)
☐ 4. Calcutta (1906) and Surat (1907)

Q.79 Each of A, B, C, D, E, F, and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. A has an exam on Tuesday. Exactly three people have exams between A and D. F's exam is immediately after G's exam. Only one person has an exam between B and F. C has an exam before both B and E. E does not have an exam on Saturday or Sunday. How many people have exams after C?

- Ans ☐ 1. 3
☐ 2. 4
☐ 3. 5
☒ 4. 6

Q.80 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: NVS :: JRO : %1621

- Ans ☐ 1. # = MUR, % = KRP
☐ 2. # = MUR, % = KSO
☒ 3. # = MUR, % = KSP
☐ 4. # = MUS, % = KSP



Q.81 The number 699138 is divisible by:

- Ans ☒ 1. 99
☒ 2. 108
☒ 3. 102
☒ 4. 117

Q.82 The progressive increase in pesticide concentration at successive trophic levels is termed as:

- Ans ☒ 1. biomagnification
☒ 2. biodegradation
☒ 3. biotransformation
☒ 4. bioaccumulation

Q.83 In a certain code, 'dogs bark loud' is coded as 'xl mn vc', 'cats and dogs' is coded as 'rs tp xl', and 'bark and play' is coded as 'mn rs wz'. What is the code for 'cats' in that code? (All codes are two-letter codes.)

- Ans ☒ 1. mn
☒ 2. tp
☒ 3. xl
☒ 4. rs

Q.84 Which Governor-General of India introduced the Subsidiary Alliance System, compelling Indian rulers to host a British force and pay for its maintenance?

- Ans ☒ 1. Lord Cornwallis
☒ 2. Lord Dalhousie
☒ 3. Lord Wellesley
☒ 4. Lord Hastings

Q.85 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8, 38
 11, 53

- Ans ☒ 1. 14, 67
☒ 2. 15, 67
☒ 3. 15, 68
☒ 4. 14, 68

Q.86 A student adds dilute HCl to Calcium carbonate. Which of the following experimental observations confirms that a gas is evolved?

- Ans ☒ 1. Effervescence is seen
☒ 2. Solution turns pink
☒ 3. Formation of white ppt
☒ 4. Pungent smell observed

Q.87 Which among the following states launched a Clean Air Plan, India's first state-level clean air strategy grounded in scientific analysis and an airshed-based approach?

- Ans ☒ 1. Kerala
☒ 2. Maharashtra
☒ 3. Uttar Pradesh
☒ 4. Karnataka



Q.88 During the reign of which emperor was the Hawa Mahal built in Jaipur?

- Ans ☒ 1. Sawai Pratap Singh
☒ 2. Ashoka
☒ 3. Chandra Gupta Maurya
☒ 4. Rana Pratap Singh

Q.89 In August 2025, which of the following organisations released the Framework for Responsible and Ethical Enablement of Artificial Intelligence (FREE-AI) Committee Report, outlining 7 guiding principles for responsible AI use in the financial sector?

- Ans ☒ 1. Securities and Exchange Board of India (SEBI)
☒ 2. Ministry of Finance
☒ 3. Reserve Bank of India (RBI)
☒ 4. NITI Aayog

Q.90 Simplify: $\left(\frac{4}{2}\right)x^2 + 4x - \frac{2}{2} + \left(\frac{4}{2}\right)x^2 - 7x + \frac{6}{2}$

- Ans ☒ 1. $-4x^2 - (-3)x - (2)$
☒ 2. $4x^2 + (-3)x - (2)$
☒ 3. $4x^2 + (-3)x + (2)$
☒ 4. $-4x^2 - (-3)x + (2)$

Q.91 Which climate classification system is most widely used in the world?

- Ans ☒ 1. Trewartha Classification
☒ 2. Koppen Classification
☒ 3. Strahler Classification
☒ 4. Thornthwaite Classification

Q.92 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-cluster.

DVN ASP XPH UME RJB OGY

- Ans ☒ 1. RJB
☒ 2. UME
☒ 3. XPH
☒ 4. ASP

Q.93 What should come in place of the question mark (?) in the given series?

4 4 12 60 420 ?

- Ans ☒ 1. 3760
☒ 2. 3780
☒ 3. 3740
☒ 4. 3720

Q.94 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☒ 1. NQ-NT
☒ 2. IL-JM
☒ 3. JM-KN
☒ 4. LO-MP



Q.95 A value is increased by 10% and then increased by 20%. What is the net percentage increase?

- Ans ☐ 1. 30
☐ 2. 33
☒ 3. 32
☐ 4. 31

Q.96 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. U has an exam on Saturday. Only four people have an exam between T and S, neither of whom has an exam on Monday. V has an exam immediately after P and Q has an exam immediately before P. S has an exam after V. How many people have exams after T?

- Ans ☒ 1. 5
☐ 2. 2
☐ 3. 4
☐ 4. 3

Q.97 Which of the following Directive Principles of State Policy is based on the Gandhian principles?

- Ans ☐ 1. To secure equal pay for equal for men and women
☒ 2. To organise village panchayat
☐ 3. To promote international peace
☐ 4. To secure the right to adequate means of livelihood

Q.98 Which of the following ratios is greatest?

- Ans ☐ 1. 43 : 76
☐ 2. 30 : 74
☐ 3. 22 : 61
☒ 4. 38 : 51

Q.99 A question is followed by two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Six friends, B, C, D, E, F and G, are sitting in a straight line, facing north. Who among them is sitting at the extreme right end?

Statements:

- (I) There are exactly four people sitting between B and E. G sits to the immediate right of E.
 (II) F is an immediate neighbour of C. Exactly two people sit between B and C.

- Ans ☒ 1. Data in statement I alone is sufficient to answer the question, while data in statement II is not.
☐ 2. Data in statements I and II together are sufficient to answer the question.
☐ 3. Data in statements I and II together are not sufficient to answer the question.
☐ 4. Data in statement II alone is sufficient to answer the question, while data in statement I is not.

Q.10 A boat travels downstream at a speed of 25 km/hr and upstream at a speed of 15 km/hr.
 0 What is the speed of the stream?

- Ans ☐ 1. 6 km/hr
☐ 2. 8 km/hr
☒ 3. 5 km/hr
☐ 4. 4 km/hr



Q.10 The Third United Nations Conference on Landlocked Developing Countries (LLDC3)
1 opened on 5 August 2025 in which country?

- Ans ☒ 1. Kyrgyzstan
☒ 2. Uzbekistan
☒ 3. Turkmenistan
☒ 4. Kazakhstan

Q.10 Evaluate the following.
2

$$\frac{5}{4} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{4}{3}$$

- Ans ☒ 1. $\frac{37}{60}$
☒ 2. $\frac{41}{70}$
☒ 3. $\frac{27}{68}$
☒ 4. $\frac{33}{64}$

Q.10 The sides of a triangle are 189 cm, 48 cm and 195 cm. What is its area? (in cm²)
3

- Ans ☒ 1. 4532
☒ 2. 4501
☒ 3. 4509
☒ 4. 4536

Q.10 Laksh starts from point A and drives 7 km towards east. He then takes a right turn and
4 drives 12 km. He takes a final left turn and drives 6 km and stops at point B. Vinod starts from point P, which is 16 km east of Point A, and drives 4 km towards east. He then takes a right turn and drives 12 km. He takes a final right turn and drives 3 km and stops at Point Q. What is the shortest distance between Point Q and Point B? (All turns are 90 degree turns only.)

- Ans ☒ 1. 6 km
☒ 2. 4 km
☒ 3. 3 km
☒ 4. 5 km

Q.10 Based on the English alphabetical order, three of the following four letter-clusters are
5 alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans ☒ 1. LCT
☒ 2. OFW
☒ 3. IZQ
☒ 4. SAI



Q.10 Container A contains 30 litres of pure milk costing ₹40 per litre, and container B contains 50 litres of pure milk costing ₹50 per litre. The entire contents are mixed together. By how much is the average cost per litre of the mixture more or less than the average cost per litre of container A's milk?

- Ans ☒ 1. ₹6.50 more
☒ 2. ₹6.50 less
☒ 3. ₹6.25 more
☒ 4. ₹6.25 less

Q.10 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:

All parks are meadows.
 All meadows are forests.
 Some forests are gardens.

Conclusions:

(I): Some parks are gardens.
 (II): Some meadows are gardens.

- Ans ☒ 1. Only conclusion I follows
☒ 2. Neither conclusion I nor II follows
☒ 3. Both conclusions I and II follow
☒ 4. Only conclusion II follows

Q.10 Simplify: $0.5 + 0.2 \times 4.8 \div (2.4 \div 1.2) - 0.90 \div 2$

- Ans ☒ 1. 0.50
☒ 2. 0.52
☒ 3. 0.53
☒ 4. 0.51

Q.10 Which statutory body, established during the first phase of the Green Revolution, deals with food grains and supply chain management in India?

- Ans ☒ 1. Food and Agriculture Organization
☒ 2. Food Corporation of India
☒ 3. Food Stack Portal
☒ 4. Agricultural and Processed Food Products Export Development Authority

Q.11 The main advantage of genetic variation in a population is to enhance:

- Ans ☒ 1. survival
☒ 2. similarity
☒ 3. reproductive speed
☒ 4. disease susceptibility

Q.11 The blood pressure recorded when the heart relaxes is called _____.

- Ans ☒ 1. systolic
☒ 2. pulse
☒ 3. diastolic
☒ 4. venous



Q.11 The ages of P and Q are in the ratio 5 : 9. If P's age is 25 years, then Q is how many
2 years older than P?

- Ans ☐ 1. 10 years
☒ 2. 20 years
☐ 3. 15 years
☐ 4. 25 years

Q.11 What does Article 51A(b) emphasise?
3

- Ans ☐ 1. Safeguarding public property
☒ 2. Cherishing and following the noble ideals that inspired the national struggle for freedom
☐ 3. Upholding and protecting the sovereignty of India
☐ 4. Promoting national integration and unity

Q.11 Read the given statements and conclusions carefully. Assuming that the information
4 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:

No nail is a cutter.
All cutters are knives.
No cutter is a scissor.

Conclusions:

(I) No scissor is a knife.
(II) Some nails are knives.

- Ans ☐ 1. Only conclusion (I) follows.
☐ 2. Only conclusion (II) follows.
☒ 3. Neither conclusion (I) nor (II) follows.
☐ 4. Both conclusions (I) and (II) follow.

Q.11 A 40 kg object is moved horizontally from point A to point B on a table. What is the work
5 done by gravity during this movement?

- Ans ☐ 1. 98 J
☐ 2. 400 J
☐ 3. 10 J
☒ 4. 0 J

Q.11 Select the triad that follows the same pattern as the one followed by the two triads
6 given below. Both triads follow the same pattern.

KH-MI-NP
MJ-OK-PR²¹⁰²

- Ans ☐ 1. PL-QM-RV
☐ 2. PL-QN-RV
☒ 3. OL-QM-RT
☐ 4. OL-QM-RV

Q.11 If an Age Pyramid has a wide base and is tapering rapidly upwards, what does it
7 indicate?

- Ans ☐ 1. Non-stationary population
☒ 2. Progressive population
☐ 3. Regressive population
☐ 4. Stationary population



Q.11 A person covers certain distance in 13 hours at a speed of 3 km/hr and
Find his average speed for the entire distance covered.

- Ans
- ☒ 1. $8\frac{17}{28}$ km/hr
 - ☒ 2. $4\frac{17}{28}$ km/hr
 - ☒ 3. $5\frac{17}{28}$ km/hr
 - ☒ 4. $11\frac{17}{28}$ km/hr

Q.11 In the following triads, each group of letters is related to the subsequent one following a
certain logic. Select from the given options, the one which follows the same logic.

CLAY - YLCA - LACY
BOWS - SOBW - OWBS

- Ans
- ☒ 1. FILE - EIFL - LIFE
 - ☒ 2. FROM - MRFO - ROFM
 - ☒ 3. GEAR - GAER - RAEG
 - ☒ 4. DENT - EDNT - TEND

Q.12 In the following series, only one letter-cluster is incorrect. Select the INCORRECT letter-
cluster.

SAI XFN CUM HPX MUC RZH

- Ans
- ☒ 1. MUC
 - ☒ 2. RZH
 - ☒ 3. CUM
 - ☒ 4. HPQ