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

Test Date	23/06/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Graduate Level I

*** 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 I**

Q.1 What will come in place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

35 − 112 × 84 ÷ 48 + 75 = ?

Ans
✔ 1. 24
✘ 2. 174
✘ 3. 86
✘ 4. 46

Q.2 F, G, H, K, L, and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor, which is numbered 6. L lives on floor number 5. H lives on a floor above L. Only K lives below M. F lives on an even numbered floor. How many people live below G?

Ans
✔ 1. Two
✘ 2. Three
✘ 3. Four
✘ 4. One

Q.3 Yogesh invested some money in a bank at 5% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Yogesh got ₹102.5 as compound interest, considering annual compounding?

Ans
✘ 1. 95
✘ 2. 115
✔ 3. 100
✘ 4. 110

Q.4 What was the trend in the unemployment rate in usual status for persons of age 15 years and above, for urban areas, from FY23 to FY24, as per the Department of Economic Affairs report?

Ans
✔ 1. Decreased from 5.4% to 5.1%
✘ 2. Increased from 4% to 5%
✘ 3. Decreased from 6% to 5%
✘ 4. Remained stable at 5.0%

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Q.5	When saving an MS PowerPoint presentation, what is the primary purpose of the 'Save as Picture Presentation' option?
Ans	✗ 1. To optimise the presentation for viewing on low-bandwidth internet connections
	✓ 2. To prevent any further editing of the presentation content
	✗ 3. To save each slide as a separate image file within a folder
	✗ 4. To embed a static image of the first slide as a preview

Q.6	Find the value of $64x^3 + 27y^3 + 144x^2y + 108xy^2$, when x = 5 and y = −5.
Ans	✗ 1. 120
	✓ 2. 125
	✗ 3. 150
	✗ 4. 100

Q.7	If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 75246183, how many digits will appear more than once in the new number thus formed?
Ans	✓ 1. Three
	✗ 2. Two
	✗ 3. None
	✗ 4. One

Q.8	What should come in place of the question mark (?) in the given series? 1412 1420 1430 1442 1456 ?
Ans	✗ 1. 1474
	✗ 2. 1470
	✗ 3. 1468
	✓ 4. 1472

Q.9	Who was the founder of the Gurjara-Pratihara dynasty?
Ans	✗ 1. Vatsaraja
	✗ 2. Gopala
	✓ 3. Nagabhata I
	✗ 4. Bhoja

Q.10	What is the primary objective of the hyperloop test track launched by IIT Madras and Indian Railways in 2025?
Ans	✓ 1. To revolutionise high-speed transportation and reduce travel time
	✗ 2. To develop a new mode of transportation for goods
	✗ 3. To test the feasibility of vacuum tube technology
	✗ 4. To promote sustainable transportation solutions

Q.11	Seven people D, E, F, G, L, M and N are sitting in a row, facing north. Only two people sit to the left of L. Only three people sit between L and E. G sits second to the right of L. Only two people sit between G and M. D sits at some place to the right of N but at some place to the left of F. How many people sit to the right of D?
Ans	✗ 1. Four
	✗ 2. Two
	✓ 3. Three
	✗ 4. One

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Q.12	The simplified value of 72 - (-98) × (-31 - 58 - 19) ÷ [9 × { 7 + (-2) × (-6)}] is:
Ans	✔ 1. $\frac{192}{19}$
	✘ 2. $\frac{182}{19}$
	✘ 3. $\frac{187}{19}$
	✘ 4. $\frac{188}{19}$

Q.13	What happens if users try to open an MS Excel file created in a newer version (e.g., Excel 2021) in an older version (e.g., Excel 2010)?
Ans	✘ 1. MS Excel will display an error and refuse to open the file.
	✘ 2. The file will open normally with all features intact.
	✔ 3. The file will open in Compatibility Mode with limited functionality.
	✘ 4. The file will be automatically converted to a PDF.

Q.14	Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern. ICK : KEF HDW : JFR
Ans	✘ 1. RFM : TIH
	✔ 2. VJF : XLA
	✘ 3. KLR : MNN
	✘ 4. GGP : IJK

Q.15	Which among the following is the main reason for classifying economic activities into different sectors in India?
Ans	✘ 1. To divide labour across sectors
	✘ 2. To reduce employment in capital-intensive sectors
	✘ 3. To increase taxes across sectors
	✔ 4. To understand their functioning and interdependence

Q.16	The PM-KISAN scheme launched by the Central Government falls under which category of boxes under the WTO's Agreement on Agriculture?
Ans	✘ 1. Amber box
	✔ 2. Green box
	✘ 3. Red box
	✘ 4. Blue box

Q.17	In March 2025, the Indian government passed the Waqf (Amendment) Act, leading to nationwide protests. Which organisation led the protests, calling the bill "unconstitutional and undemocratic"?
Ans	✘ 1. Imarat-e-Shariah
	✘ 2. Jamiat Ulema-e-Hind
	✘ 3. All India Shia Personal Law Board
	✔ 4. All India Muslim Personal Law Board

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Q.18	Select the set in which the numbers are related in the same way as are the numbers of the following sets. (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/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (7, 80, 22) (43, 143, 19)
Ans	✗ 1. (25, 91, 15)
	✗ 2. (11, 63, 15)
	✓ 3. (13, 89, 21)
	✗ 4. (49, 139, 15)

Q.19	What is the product of the roots of the equation $kx^3 - 5x^2 - 12x + k = 0$?
Ans	✗ 1. 1
	✓ 2. -1
	✗ 3. $-\frac{1}{12}$
	✗ 4. $\frac{1}{12}$

Q.20	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Left) 6 @ $ 1 8 # 9 % ≺ 2 4 ≽ 3 ^ 5 & 7 (Right) If all the numbers are dropped from the series, which of the following will be sixth from the right?
Ans	✗ 1. %
	✗ 2. $
	✓ 3. #
	✗ 4. ≺

Q.21	Which of the following dance forms is NOT associated with Rajasthan?
Ans	✗ 1. Kacho Ghodi
	✓ 2. Tarangmel
	✗ 3. Ghoomar
	✗ 4. Kalbelia

Q.22	John Green's non-fiction book, released in March 2025, discusses the history and impact of which disease?
Ans	✗ 1. Malaria
	✓ 2. Tuberculosis
	✗ 3. Cholera
	✗ 4. Influenza

Q.23	Demetrius, a Bactrian-Greek ruler, came into conflict with _____.
Ans	✗ 1. Nahapana
	✗ 2. Harsha
	✗ 3. Simuka
	✓ 4. Pushyamitra

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Q.24	Mr. XYZ starts from Point A and drives 15 km towards the west. He then takes a left turn, drives 11 km, turns left and drives 19 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified)
Ans	✗ 1. 5 km to the west
	✓ 2. 5 km to the south
	✗ 3. 3 km to the east
	✗ 4. 3 km to the north

Q.25	This question is based on the five, three-digit numbers given below. (Left) 815 497 460 637 147 (Right) (Example- 697 – First digit = 6, second digit = 9 and third digit = 7) (NOTE: All operations to be done from left to right.) What will be the resultant if the second digit of the highest number is subtracted from the third digit of the lowest number?
Ans	✓ 1. 6
	✗ 2. 8
	✗ 3. 9
	✗ 4. 7

Q.26	How many writs mentioned in the Constitution of India enforce Fundamental Rights?
Ans	✗ 1. Four Writs
	✗ 2. Six Writs
	✓ 3. Five Writs
	✗ 4. Seven Writs

Q.27	Sub-irrigation in India is particularly suitable for areas with:
Ans	✗ 1. low soil fertility
	✗ 2. sandy soil
	✓ 3. high water table
	✗ 4. low water table

Q.28	In February 2025, how much total budget was allocated to the Ministry of Youth Affairs and Sports in the Union Budget?
Ans	✓ 1. ₹3,790 crore
	✗ 2. ₹3,254 crore
	✗ 3. ₹4,132 crore
	✗ 4. ₹2,808 crore

Q.29	If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 936245, then how many digits will appear more than once in the new number thus formed?
Ans	✗ 1. Three
	✗ 2. None
	✗ 3. One
	✓ 4. Two

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Q.30	Ravi spends ₹250 on Monday, ₹300 on Tuesday, ₹275 on Wednesday, ₹325 on Thursday, and ₹350 on Friday. What is his average daily expenditure over these five days?
Ans	✗ 1. ₹310
	✗ 2. ₹320
	✓ 3. ₹300
	✗ 4. ₹280

Q.31	Seven boxes, C, D, E, F, G, H and X, are kept one over the other but not necessarily in the same order. Only two boxes are kept between C and H. Only F is kept above G. Only one box is kept between G and C. E is kept at some place below X but at some place above D. How many boxes are kept between X and D?
Ans	✗ 1. Three
	✓ 2. Two
	✗ 3. Four
	✗ 4. One

Q.32	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 conclusion(s) logically follow(s) from the statements. Statements: All tablets are laptops. No laptop is a desktop. No laptop is a mobile. Conclusions: (I) No tablet is a desktop. (II) Some mobiles are desktops.
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.33	A dealer purchased a washing machine for ₹1,301. After allowing a discount of 53% on its marked price, he still gains 41%. Find the marked price of the washing machine.
Ans	✗ 1. ₹3,940
	✗ 2. ₹3,886
	✗ 3. ₹3,917
	✓ 4. ₹3,903

Q.34	Which of the following is NOT a valid way to move selected text in MS Word?
Ans	✗ 1. Drag and Drop
	✗ 2. Ctrl + Drag
	✗ 3. Cut and Paste
	✓ 4. Format Painter

Q.35	Based on the English alphabetical order, three of the following four letter-clusters are 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. PVQ
	✓ 2. KQM
	✗ 3. MSN
	✗ 4. HNI

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Q.36 In a certain code language, 'rough and ready' is coded as 'mo hp km' and 'road is rough' is coded as 'tx km bn'. How is 'rough' coded in the given language?

Ans
- ✗ 1. hp
- ✗ 2. tx
- ✗ 3. bn
- ✓ 4. km

Q.37 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

AAA 16, ECZ 36, IEY 64, MGX 100, ?

Ans
- ✓ 1. QIW 144
- ✗ 2. UVW 81
- ✗ 3. WIU 100
- ✗ 4. UIW 121

Q.38 Which of the following ratios is greatest?

Ans
- ✗ 1. 9 : 11
- ✗ 2. 10 : 27
- ✓ 3. 11 : 11
- ✗ 4. 31 : 38

Q.39 What is the mode of the data given below? [Give your answer correct to 2 decimal places.]

Age in years	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of patients	16	21	14	34	37	32	13

Ans
- ✗ 1. 46.12
- ✓ 2. 53.75
- ✗ 3. 34.15
- ✗ 4. 33.05

Q.40 In a certain code language, 'FARM' is coded as '4683' and 'MUSE' is coded as '2419'. What is the code for 'M' in the given code language?

Ans
- ✗ 1. 1
- ✓ 2. 4
- ✗ 3. 2
- ✗ 4. 3

Q.41 The slant height of a cone is equal to twice the radius of its base. If the cone has a volume of 401π cm^3, find the magnitude of the cube of its base radius.

Ans
- ✓ 1. $401\sqrt{3}$
- ✗ 2. $412\sqrt{3}$
- ✗ 3. $402\sqrt{3}$
- ✗ 4. $410\sqrt{3}$

Q.42 The sum of interior angles of a regular polygon is 1260°. Find the number of diagonals of this regular polygon.

Ans
- ✗ 1. 35
- ✓ 2. 27
- ✗ 3. 44
- ✗ 4. 20

Q.43	The average weight of A, B and C is 45 kg. If the average weight of A and B is 39 kg and that of B and C is 48 kg, then the weight of B (in kg) is:
Ans	✗ 1. 54
	✓ 2. 39
	✗ 3. 29
	✗ 4. 49

Q.44	The efficiency of gas exchange in the alveoli is primarily attributed to which structural characteristic?
Ans	✗ 1. Abundance of mucus-secreting cells
	✗ 2. Thick epithelial lining to protect from pathogens
	✗ 3. A robust elastic network to maintain alveolar shape
	✓ 4. Large surface area combined with a thin alveolar-capillary barrier

Q.45	As per the Union Budget 2025-26, Asset Monetization Plan 2025-30, what will be the amount for the second plan for 2025-30 with the aim to reinvest in new projects?
Ans	✓ 1. ₹10 lakh crore
	✗ 2. ₹20 lakh crore
	✗ 3. ₹25 lakh crore
	✗ 4. ₹15 lakh crore

Q.46	38 people are standing in a row facing north. Hari is 11th from the right end while Hema is 14th from the left end. How many people are there between Hari and Hema?
Ans	✗ 1. 12
	✓ 2. 13
	✗ 3. 14
	✗ 4. 11

Q.47	At what rate (in percentage) per annum will ₹1,400 give ₹700 as simple interest in 5 years?
Ans	✓ 1. 10%
	✗ 2. 12%
	✗ 3. 9%
	✗ 4. 13%

Q.48	Which smallest number should be added to 13874 so that the sum is completely divisible by 67?
Ans	✗ 1. 60
	✗ 2. 57
	✗ 3. 64
	✓ 4. 62

Q.49	Who among the following won the Best Director award at the 2025 Oscars?
Ans	✗ 1. Quentin Tarantino
	✗ 2. Steven Spielberg
	✗ 3. Peter Straughan
	✓ 4. Sean Baker

Q.50	What was notable about Vidarbha's performance in the Ranji Trophy 2024-25?
Ans	✗ 1. They won the title for the first time
	✓ 2. They won the title for the third time in seven seasons
	✗ 3. They lost the final to Kerala
	✗ 4. They did not qualify for the final

Q.51	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only.) (Left) % 3 £ 3 & © * 3 & 7 7 3 7 % 4 8 © * 1 * 9 9 (Right) How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?
Ans	✗ 1. 3
	✗ 2. 5
	✗ 3. 2
	✓ 4. 4

Q.52	Who among the following has been appointed as the CEO of the Indian Railway Finance Corporation (IRFC) in October 2024?
Ans	✗ 1. Vijaya Kishore Rahatkar
	✓ 2. Manoj Kumar Dubey
	✗ 3. Ajit Kumar Saxena
	✗ 4. Paramesh Sivamani

Q.53	A person drove at 23 km/hr for 4.5 hours, then increased his speed by 11 km/hr, and reached the destination in another hour. Find the average speed (in km/hr) of the person during the entire journey.
Ans	✗ 1. 22
	✓ 2. 25
	✗ 3. 26
	✗ 4. 21

Q.54	What should come in place of the question mark (?) in the given series based on the English alphabetical order? XQS VOQ TMO RKM ?
Ans	✗ 1. PJL
	✗ 2. PIL
	✓ 3. PIK
	✗ 4. PJK

Q.55	Which of the following groups is NOT considered a part of the Union Council of Ministers in India?
Ans	✗ 1. Cabinet Ministers
	✓ 2. Parliamentary Secretaries
	✗ 3. Deputy Ministers
	✗ 4. Ministers of State

Q.56	A sum of money is to be distributed among A, B, C, and D in the ratio of 10 : 4 : 8 : 5. If C gets ₹24 more than B, how much did A receive?
Ans	✗ 1. ₹63
	✗ 2. ₹59
	✓ 3. ₹60
	✗ 4. ₹58

Q.57	In January 2025, which Indian state came under President's Rule due to ongoing ethnic violence and the resignation of its Chief Minister?
Ans	✗ 1. Assam
	✗ 2. Nagaland
	✗ 3. Tripura
	✓ 4. Manipur

Q.58	What was the literacy rate in India according to the 2011 Census?
Ans	✓ 1. 74.04%
	✗ 2. 76.23%
	✗ 3. 75.12%
	✗ 4. 72.98%

Q.59	The Home Rule Movement in India, launched during the World War I, aimed to attain self-government within the British Empire. Which two prominent leaders were associated with starting this movement?
Ans	✗ 1. Mahatma Gandhi and Gopal Krishna Gokhale
	✓ 2. Annie Besant and Bal Gangadhar Tilak
	✗ 3. Jawaharlal Nehru and Subhas Chandra Bose
	✗ 4. Lala Lajpat Rai and Bipin Chandra Pal

Q.60	In which year did Goa become the capital of the Portuguese Commercial empire in India?
Ans	✗ 1. 1410
	✗ 2. 1390
	✓ 3. 1530
	✗ 4. 1659

Q.61	What is the mode of the following data? 53, 47, 43, 42, 52, 54, 54, 51, 42, 53, 53, 48, 46, 43, 43, 40, 43, 41
Ans	✗ 1. 47
	✗ 2. 53
	✗ 3. 42
	✓ 4. 43

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Q.62 In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes (following only the condition/s that applies) is your answer.

Note: If none of the conditions apply, then codes for the respective number/symbol are to be followed directly as given in the table.

Number/symbol	R	E	A	U	M	D	F	P	Q	I	O	H	N	W	Z	B
Code	#	7	6	$	8	%	*	5	9	4	©	@	d	3	2	1

Conditions:
i) If the first element is a consonant and the third is a vowel, the codes for these two (the first and the third elements) are to be interchanged.
ii) If the first element is vowel and the fourth letter is a consonant, the first and fourth elements are to be coded as the code for the vowel.
iii) If the second and third elements the consonants, both are to be coded as the code for the third element.

Based on the above instructions, what would be the code for 'OBAHMQ'?

Ans
- ✗ 1. ©16@87
- ✗ 2. @$6@89
- ✗ 3. @16@89
- ✓ 4. ©16©89

Q.63 While covering a distance of 39 km, a man noticed that after cycling for 5 hour 5 minutes, the distance covered by him was $\frac{5}{4}$ of the remaining distance. What was his speed (in km/hr, rounded off to one decimal place)?

Ans
- ✗ 1. 1.9
- ✓ 2. 4.3
- ✗ 3. 3.2
- ✗ 4. 6.5

Q.64 The total surface area of a cylinder is 396 cm^2, and its radius is 7 cm. Find the volume (in cm^3) of the cylinder.

$$Use\ \pi = \frac{22}{7}$$

Ans
- ✗ 1. 307
- ✓ 2. 308
- ✗ 3. 314
- ✗ 4. 300

Q.65 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 letter-cluster pair 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. IL - FI
- ✗ 2. MP - JM
- ✗ 3. NQ - KN
- ✓ 4. MJ - DF

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Q.66	In a certain code language, A + B means 'A is the son of B', A – B means 'A is the sister of B', A x B means 'A is the wife of B' and A ÷ B means 'A is the father of B'. Based on the above, how is E related to K if 'E + F – G x H ÷ K'?
Ans	✗ 1. Mother's sister's husband
	✗ 2. Father's sister's son
	✓ 3. Mother's sister's son
	✗ 4. Father's sister's husband

Q.67	Which of the following writs protects the right to life and personal liberty mentioned in the Constitution of India?
Ans	✗ 1. Mandamus
	✓ 2. Habeas Corpus
	✗ 3. Certiorari
	✗ 4. Prohibition

Q.68	Which of the following options correctly describes the Indian President's power to summon the Parliament?
Ans	✓ 1. The President may summon the Parliament at least twice a year.
	✗ 2. The President can only summon the Parliament after consulting the Prime Minister.
	✗ 3. The President may summon the Parliament at his/her discretion with no statutory minimum frequency.
	✗ 4. The President may summon the Parliament only once every calendar year.

Q.69	In April 2025, the Chief Minister of which Indian state inaugurated a newly constructed Jagannath Temple in the coastal town of Digha?
Ans	✗ 1. Tamil Nadu
	✗ 2. West Bengal
	✗ 3. Andhra Pradesh
	✓ 4. Odisha

Q.70	If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5364178, then what will the sum of the digits which are second from the left and second from the right in the new number thus formed be?
Ans	✗ 1. 10
	✗ 2. 7
	✗ 3. 9
	✓ 4. 12

Q.71	Which of the following is true regarding the materials of construction used for Ashokan pillars?
Ans	✓ 1. They were largely made of stone.
	✗ 2. They were largely made of wood.
	✗ 3. They were largely made of concrete.
	✗ 4. They were largely made of iron.

Q.72	What was the main focus of the Aligarh Movement?
Ans	✗ 1. Women's Rights
	✗ 2. Hindu Revivalism
	✗ 3. Abolition of Sati
	✓ 4. Modern Education among Muslims

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Q.73	By how much is 60% of 40 greater than $\frac{3}{5}$ of 15?
Ans	✗ 1. 12
	✓ 2. 15
	✗ 3. 9
	✗ 4. 13

Q.74	YAGK is related to RTZD in a certain way based on the English alphabetical order. In the same way, WYEI is related to PRXB. To which of the following options is BDJN related, following the same logic?
Ans	✗ 1. UWHY
	✗ 2. UWAC
	✓ 3. UWCG
	✗ 4. UWCH

Q.75	What happens when you press 'Ctrl + M' in MS PowerPoint 365?
Ans	✓ 1. A new slide is inserted with the same layout as the previous slide.
	✗ 2. A new blank slide is inserted regardless of the previous layout.
	✗ 3. A duplicate of the current slide is created.
	✗ 4. The slide master view is opened.

Q.76	Which of the following countries will host the 2025 G20 Summit for the first time on the African continent?
Ans	✗ 1. Kenya
	✗ 2. Egypt
	✗ 3. Nigeria
	✓ 4. South Africa

Q.77	The Narmada River originates from which hills?
Ans	✗ 1. Aravalli
	✓ 2. Satpura
	✗ 3. Western Ghats
	✗ 4. Vindhyachal

Q.78	In a quadrilateral QRST, ∠Q = 52° and ∠R = 44°. The bisectors of ∠S and ∠T meet at E. What is the measure of ∠TES?
Ans	✓ 1. 48°
	✗ 2. 37°
	✗ 3. 44°
	✗ 4. 59°

Q.79	MQIL is related to FJBE in a certain way based on the English alphabetical order. In the same way, OSKN is related to HLDG. To which of the given options is QUMP related, following the same logic?
Ans	✗ 1. NJFI
	✗ 2. JNIF
	✓ 3. JNFI
	✗ 4. NJIF

Q.80	Under which Act was the National Legal Services Authority (NALSA), which conducts Lok Adalats along with other Legal Services Institutions, constituted?
Ans	✔ 1. Legal Services Authorities Act, 1987
	✘ 2. Advocates Act, 1961
	✘ 3. Indian Bar Council Act, 1926
	✘ 4. Public Interest Litigation Act, 1990

Q.81	Mukesh sold a car for ₹2,03,700 at 10% loss. For what price (in ₹) should he sell the car to gain 68% profit?
Ans	✘ 1. 3,80,238
	✔ 2. 3,80,240
	✘ 3. 3,80,237
	✘ 4. 3,80,243

Q.82	What is the complete set of both base and derived units called?
Ans	✔ 1. System of units
	✘ 2. Scientific model
	✘ 3. Measurement set
	✘ 4. Universal constant system

Q.83	What is the total DGQI 2.0 (Data Governance Quality Index) score achieved by the Department of Rural Development in Q4 of 2023-24?
Ans	✘ 1. 4.50 out of 5
	✘ 2. 3.95 out of 5
	✘ 3. 5.00 out of 5
	✔ 4. 4.93 out of 5

Q.84	What should come in place of the question mark (?) in the given series? 173, 151, 131, 113, 97, ?
Ans	✘ 1. 91
	✘ 2. 68
	✔ 3. 83
	✘ 4. 76

Q.85	How many Indian States and Union Territories have a coastline as per the Annual Report 2022-23 of the Ministry of Home Affairs?
Ans	✘ 1. 11 States and 6 Union Territories
	✘ 2. 8 States and 3 Union Territories
	✘ 3. 10 States and 5 Union Territories
	✔ 4. 9 States and 4 Union Territories

Q.86	Which of the following states has a sparse population mainly due to hilly terrain?
Ans	✘ 1. Tamil Nadu
	✘ 2. Odisha
	✔ 3. Arunachal Pradesh
	✘ 4. Gujarat

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Q.87	If $a^2 + b^2 = 132$ and $a \times b = 36$, then find $\frac{(a-b)}{(a+b)}$, where $a > b$.
Ans	✔ 1. $\sqrt{\frac{5}{17}}$
	✘ 2. $\sqrt{\frac{11}{17}}$
	✘ 3. $\sqrt{\frac{5}{11}}$
	✘ 4. $\sqrt{\frac{17}{37}}$

Q.88	A sells a camera to B at a loss of 60% and B sells the camera to C at a profit of 25%. If C purchased the camera for ₹62,616, then what was the cost (in ₹) of the camera for A?
Ans	✘ 1. 1,25,229
	✘ 2. 1,25,230
	✘ 3. 1,25,226
	✔ 4. 1,25,232

Q.89	A man spends 50% of his monthly salary on the rent of his house. If every month he also spends ₹780 on his conveyance and ₹9,800 on his groceries and saves the remaining ₹110, his monthly salary is:
Ans	✘ 1. ₹21,430
	✘ 2. ₹21,307
	✘ 3. ₹21,282
	✔ 4. ₹21,380

Q.90	Seven times the present age of Anjali is 14 years more than six times the present age of Kamal, and seven times the present age of Kamal is 7 years less than seven times the present age of Anjali. What is the sum of the present ages (in years) of Anjali and Kamal?
Ans	✘ 1. 20
	✔ 2. 15
	✘ 3. 12
	✘ 4. 13

Q.91	What is the main purpose of the Tab key on a standard keyboard?
Ans	✘ 1. To insert a forward slash
	✘ 2. To remove text
	✔ 3. To shift the cursor to the next field or tab position
	✘ 4. To close the active application

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Q.92	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 that follows the same logic. GOAL - GLAO - LAOG COMB - CBMO - BMOC
Ans	✗ 1. OVEL - OVLE - VELO
	✓ 2. WISH - WHSI - HSIW
	✗ 3. TING - ITNG - GINT
	✗ 4. LOST - LSOT - TSOL

Q.93	If $\frac{x+1}{x} = 33$, then $\frac{x^2+1}{x^2}$ is:
Ans	✗ 1. 1091
	✗ 2. 1083
	✓ 3. 1087
	✗ 4. 1089

Q.94	Rahul had some marbles. When he distributed the marbles equally among 27 children, he found that 17 marbles were left. Had he distributed the marbles equally among 19 children and 15 children, he still would have had 9 and 5 marbles, respectively, left with him. But when he distributed them equally among 80 children, no marble was left. The number of marbles that Rahul initially had may lie between _____.
Ans	✗ 1. 5140 and 5150
	✓ 2. 5110 and 5130
	✗ 3. 5070 and 5080
	✗ 4. 5090 and 5100

Q.95	Mr. J starts from Point U and drives 2 km towards the North. He then takes a right turn, drives 9 km, turns right and drives 3 km. He then takes a right turn and drives 16 km. He then takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point U again? (All turns are 90 degrees turns only unless specified.)
Ans	✗ 1. 4 km towards the South
	✓ 2. 7 km towards the East
	✗ 3. 11 km towards the North
	✗ 4. 4 km towards the West

Q.96	Why did Mendeleev leave gaps in his periodic table?
Ans	✓ 1. For undiscovered elements
	✗ 2. To include isotopes
	✗ 3. To avoid repetition of elements
	✗ 4. To make the table look symmetrical

Q.97	A pipe can fill a tank in 15 hours. Another pipe can empty the filled tank in 40 hours. If both the pipes are opened simultaneously, then the time (in hours) in which the tank will be one-third filled, is:
Ans	✓ 1. 8
	✗ 2. 32
	✗ 3. 24
	✗ 4. 16

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Q.98	Seven people, A, B, L, M, N, S, and T are sitting in a row, facing north. Only three people sit between A and S. M sits to the immediate left of S. No one sits to the right of T. Only two people sit between T and M. N sits to the immediate right of L. How many people sit between B and N?
Ans	✗ 1. One
	✓ 2. Two
	✗ 3. Four
	✗ 4. Three

Q.99	Solve for θ: $\frac{\cos\theta}{1-\sin\theta}+\frac{\cos\theta}{1+\sin\theta}=4$
Ans	✗ 1. 90°
	✗ 2. 30°
	✓ 3. 60°
	✗ 4. 45°

Q.100	A tank can be filled by two pipes C and D in 60 minutes and 40 minutes, respectively. How much time will it take to fill the tank from the empty state if D is used for half the time and C and D fill it together for the other half?
Ans	✗ 1. 50 minutes
	✓ 2. 30 minutes
	✗ 3. 15 minutes
	✗ 4. 1 hour