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

Test Date	24/06/2025
Test Time	12:45 PM - 2:15 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 **In one hour, a boat goes 46 km/hr in the direction of the stream and 36 km/hr against the direction of the stream. What will be the speed of the current?**

Ans
✔ 1. 5 km/hr
✘ 2. 4 km/hr
✘ 3. 11 km/hr
✘ 4. 2 km/hr

Q.2 **Pipe A can fill an empty cistern alone in 26 hours and pipe B can fill the same cistern alone in 36 hours. The time taken by them to fill half of the cistern by operating together will be:**

Ans
✘ 1. $15\frac{17}{31}\ hours$
✘ 2. $11\frac{17}{31}\ hours$
✔ 3. $7\frac{17}{31}\ hours$
✘ 4. $16\frac{17}{31}\ hours$

Q.3 India's Green Revolution began with experimental programmes. What was the first such initiative called?

Ans
✔ 1. Intensive Agricultural District Programme
✘ 2. National Seed Plan
✘ 3. Rural Employment Programme
✘ 4. Operation Green

Q.4 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 the conditions 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	8	6	*	%	9	&	3	+	@	5	$	7	4
Code	W	C	E	J	F	A	D	Q	G	P	R	B	U

Conditions:
(I) If the first element is a number and the last a symbol, the codes for these two (the first and the last elements) are to be interchanged.
(II) If the first element is an odd number and the last an even number, the first and last elements are to be coded as ©.
(III) If the third element is a perfect cube, the second element is to be coded as the code for the third element.

What will %987 be coded as?

Ans
- ✗ 1. JFWB
- ✗ 2. JWFB
- ✓ 3. JWWB
- ✗ 4. BFWJ

Q.5 Vinay starts from Point A and drives 3 km towards the North. He then takes a right turn, drives 2 km, turns left and drives 3 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)

Ans
- ✗ 1. 6 km to the East
- ✗ 2. 4 km to the West
- ✓ 3. 4 km to the East
- ✗ 4. 5 km to the East

Q.6 What is the mode of the following data?

49, 54, 54, 43, 52, 49, 51, 46, 53, 43, 53, 49, 44, 45, 46, 44, 40, 50, 52, 49

Ans
- ✓ 1. 49
- ✗ 2. 43
- ✗ 3. 54
- ✗ 4. 52

Q.7 Which of the following can be settled in a Lok Adalat?

Ans
- ✗ 1. Public interest litigation
- ✗ 2. Constitutional matters
- ✓ 3. Compoundable offences
- ✗ 4. Murder cases

Q.8 Which of the following positions is NOT found in every Gram Panchayat in India?

Ans
- ✗ 1. Elected President (Sarpanch) of the Panchayat
- ✗ 2. Panchayat Secretary
- ✓ 3. Elected Treasurer of the Panchayat
- ✗ 4. Vice President (Upsarpanch) of the Panchayat

Q.9	What should come in place of the question mark (?) in the given series? 4 10 19 34 58 ?
Ans	✔ 1. 94
	✘ 2. 72
	✘ 3. 74
	✘ 4. 89

Q.10	Which country will host the 2025 FIFA Club World Cup, featuring the top football clubs from around the world?
Ans	✘ 1. Spain
	✘ 2. Qatar
	✔ 3. United States
	✘ 4. Saudi Arabia

Q.11	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 & 7 * € 2 6 8 £ % 5 6 £ © 1 6 & % 8 # # (Right) How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?
Ans	✘ 1. 3
	✔ 2. 4
	✘ 3. 6
	✘ 4. 5

Q.12	The mean proportional between $4 + 2\sqrt{3}$ and $16 - 8\sqrt{3}$ is:
Ans	✔ 1. 4
	✘ 2. 8
	✘ 3. 9
	✘ 4. 14

Q.13	Which force arises when a body is immersed in a fluid and displaces the fluid?
Ans	✘ 1. Normal reaction
	✔ 2. Buoyant force
	✘ 3. Spring force
	✘ 4. Tension

Q.14	In 2024, which state was selected for the establishment of India's first commercial semiconductor fabrication plant under the India Semiconductor Mission?
Ans	✘ 1. Tamil Nadu
	✘ 2. Uttar Pradesh
	✔ 3. Gujarat
	✘ 4. Maharashtra

Q.15	The government of India decided that Medium-Term and Long-Term Government Deposit (MLTGD) components of Gold Monetisation Scheme (GMS) shall be discontinued from:
Ans	✘ 1. 26 December 2024
	✘ 2. 26 February 2023
	✔ 3. 26 March 2025
	✘ 4. 26 January 2022

Q.16	What major future-focused initiative was discussed during the 67th GBM of the Asian Productivity Organisation APO?
Ans	✔ 1. Green Productivity 2.0 Ecosystem
	✘ 2. Smart Cities 2030
	✘ 3. Digital Governance Network
	✘ 4. Asia-Pacific Free Trade Agreement

Q.17	Amita, Babita, Geeta, Kavita, Meeta, Sarita, Vinita are sitting in a straight line, facing north. Geeta sits third to the right of Kavita. Sarita sits third to the left of Amita, who is third to the left of Meeta. Neither Sarita nor Babita sit immediately next to Kavita. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which of the following does NOT belong to that group?
Ans	✔ 1. Amita and Babita
	✘ 2. Vinita and Amita
	✘ 3. Babita and Meeta
	✘ 4. Sarita and Kavita

Q.18	A retailer allows a 10% discount on the marked price. What price (in ₹) must be marked on an item whose cost price is ₹626 to make a profit of 35%?
Ans	✔ 1. 939
	✘ 2. 938
	✘ 3. 937
	✘ 4. 942

Q.19	In Microsoft PowerPoint, which view is best suited for reorganising slides and getting an overview of the entire presentation structure?
Ans	✔ 1. Slide Sorter View
	✘ 2. Normal View
	✘ 3. Slide Show View
	✘ 4. Reading View

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. (Note: All numbers are single digit numbers only.) (Left) 3 © 3 # 1 & & 5 £ 9 3 4 * & 2 2 % 2 2 7 © @ (Right) How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?
Ans	✘ 1. 4
	✘ 2. 5
	✔ 3. 3
	✘ 4. 2

Q.21	Each of the digits in the number 4319286 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?
Ans	✘ 1. Three
	✘ 2. One
	✘ 3. Two
	✔ 4. None

Q.22	Find the nature of the roots of the quadratic equation $2x^2 + x + 3 = 0$.
Ans	✗ 1. Rational roots
	✗ 2. Real roots and equal
	✓ 3. Imaginary roots
	✗ 4. Distinct real roots

Q.23	Which of the following methods is the easiest way to sort files by name in File Explorer in Windows 11 OS?
Ans	✗ 1. Click the Name column header in File Explorer
	✗ 2. Drag files into alphabetical order manually
	✗ 3. Use the Ctrl + S shortcut
	✓ 4. Right-click → Select Group by → Name

Q.24	The 1991 reforms led to major tax policy changes to boost efficiency and compliance. Which tax reform, implemented in 2017, aimed to unify India's indirect tax structure?
Ans	✗ 1. Service Tax
	✓ 2. GST
	✗ 3. Excise Duty
	✗ 4. VAT

Q.25	Seven people, A, B, C, D, S, T, and U are sitting in a row, facing north. Only two people sit between T and C. Only D sits to the right of U. Only one person sits between C and U. B sits at some place to the right of S but at some place to the left of A. How many people sit between A and S?
Ans	✗ 1. One
	✓ 2. Two
	✗ 3. Three
	✗ 4. Four

Q.26	The Bagh caves, which contain Buddhist mural paintings, are located in which of the following states of India?
Ans	✓ 1. Madhya Pradesh
	✗ 2. Orissa
	✗ 3. Karnataka
	✗ 4. Maharashtra

Q.27	Yōko Ogawa's novel "Mina's Matchbox" was translated into English and released in August 2024. What is the original language of the novel?
Ans	✓ 1. Japanese
	✗ 2. Chinese
	✗ 3. Vietnamese
	✗ 4. Korean

Q.28	Anushka walks to her office 5 km away from home. In the morning she covers the distance in 1 hour, whereas while returning home in the evening, she takes 15 more minutes to cover the same distance. Find her average speed (in km/hr) during the two-way journey.
Ans	✗ 1. $\frac{38}{9}$
	✓ 2. $\frac{40}{9}$
	✗ 3. $\frac{40}{11}$
	✗ 4. $\frac{41}{9}$

Q.29	Two years ago, the average age of A, B and C was 66 years. Two years from now, the average age of A and C will be 89 years. What will be the age (in years) of B, four years from now?
Ans	✗ 1. 37
	✗ 2. 30
	✓ 3. 34
	✗ 4. 31

Q.30	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. KQN
	✗ 2. NTP
	✗ 3. QWS
	✗ 4. TZV

Q.31	T is the wife of S. L is the daughter of T. K is the sister of S. W is the mother of L's father. P is the son of S. How is P related to K?
Ans	✗ 1. Husband's brother
	✗ 2. Husband's father
	✗ 3. Daughter's husband
	✓ 4. Brother's son

Q.32	The average of Sachin's marks in 7 subjects is 76. His average in six subjects excluding English is 70. How many marks did he get in English?
Ans	✗ 1. 113
	✗ 2. 111
	✓ 3. 112
	✗ 4. 114

Q.33	Which of the following is a window provided by the Reserve Bank of India (RBI) for banks to borrow overnight funds at a higher interest rate than the repo rate?
Ans	✗ 1. Open market operation
	✓ 2. Marginal standing facility
	✗ 3. Off budget financing
	✗ 4. Standing deposit facility

Q.34	ABCD is a trapezium in which BC || AD and AC = CD. If ∠ABC = 13° and ∠BAC = 164°, then what is the measure of ∠ACD?
Ans	✔ 1. 164°
	✘ 2. 161°
	✘ 3. 188°
	✘ 4. 174°

Q.35	**Which of the following accurately explains why a touchscreen can be considered both an input and an output device?**
Ans	✘ 1. It processes user data internally and sends it to memory.
	✔ 2. It allows users to interact with visual data and sends touch signals to the computer.
	✘ 3. It only displays images but responds to voice commands.
	✘ 4. It stores programs and lets users write directly to memory.

Q.36	**Seven boxes D, E, F, G, I, J and K are kept one over the other but not necessarily in the same order. No box is kept above F. Only three boxes are kept between F and K. Only one box is kept between D and E. E is kept immediately above K. Only four boxes are kept between D and G. J is kept at some place above I. Which box is kept second below J?**
Ans	✘ 1. F
	✘ 2. G
	✔ 3. K
	✘ 4. D

Q.37	**A grocer marked his goods 40% above their cost price and sold them at a discount of X%. If he gained 33% profit, then find the value of X.**
Ans	✘ 1. 4
	✘ 2. 2
	✔ 3. 5
	✘ 4. 3

Q.38	**Hemant and Irfan can complete a certain piece of work in 6 and 10 days, respectively, They started to work together, and after 2 days, Irfan left. In how many days will Hemant complete the remaining work?**
Ans	✘ 1. $\frac{9}{5}$
	✘ 2. $\frac{17}{5}$
	✘ 3. $\frac{11}{5}$
	✔ 4. $\frac{14}{5}$

Q.39 Find the median from the following data.

Age in years	15-25	25-35	35-45	45-55	55-65	65-75	75-85
No. of patients	37	11	26	10	39	25	18

Ans	✘ 1. 59 years
	✘ 2. 72 years
	✘ 3. 68 years
	✔ 4. 54 years

Q.40	Which of the following tribal groups is associated with the Hornbill Festival in Nagaland?
Ans	✗ 1. Garo
	✗ 2. Mizo
	✓ 3. Naga
	✗ 4. Ao

Q.41	Who is popularly known as the 'Father of Indian Unrest' for his active role in the Indian independence movement?
Ans	✓ 1. Bal Gangadhar Tilak
	✗ 2. Jawaharlal Nehru
	✗ 3. Mahatma Gandhi
	✗ 4. Subhas Chandra Bose

Q.42	Who among the following took oath as the 26th Director General of the Indian Coast Guard in October 2024?
Ans	✗ 1. Ajit Kumar Saxena
	✗ 2. Manoj Kumar Dubey
	✓ 3. Paramesh Sivamani
	✗ 4. Vijaya Kishore Rahatkar

Q.43	What will come in place of 'A' in the given ratio? $\frac{138}{A} = \frac{4}{50}$
Ans	✗ 1. 1724
	✓ 2. 1725
	✗ 3. 1726
	✗ 4. 1723

Q.44	What happens if a minister is not a member of the Parliament for six consecutive months?
Ans	✓ 1. The minister ceases to hold office.
	✗ 2. The minister must be re-elected within three months.
	✗ 3. The Prime Minister can grant an extension.
	✗ 4. The minister can continue with special permission from the President.

Q.45	The capital of Harshavardhana's empire was:
Ans	✗ 1. Agra
	✗ 2. Thanesar
	✓ 3. Kannauj
	✗ 4. Pataliputra

Q.46	Steve starts from Point A and drives 10 km towards north. He then takes a right turn, drives 7 km, turns right and drives 3 km. He then takes a left turn and drives 5 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)
Ans	✓ 1. 12 km towards west
	✗ 2. 10 km towards south
	✗ 3. 12 km towards east
	✗ 4. 10 km towards west

Q.47	Which type of memory is non-volatile and is used to store essential system instructions in a computer?
Ans	✔ 1. ROM
	✘ 2. Registers
	✘ 3. RAM
	✘ 4. Cache Memory

Q.48	A and B invested money in a business in the ratio of 8 : 5. If 35% of the total profit goes for charity, and A's share in the profit is ₹7,770, what is the total profit?
Ans	✘ 1. ₹19,426
	✘ 2. ₹19,423
	✔ 3. ₹19,425
	✘ 4. ₹19,422

Q.49	Which of the following Articles of the Indian Constitution states about the appointment of the Comptroller and Auditor General of India?
Ans	✘ 1. Article 145
	✘ 2. Article 146
	✘ 3. Article 147
	✔ 4. Article 148

Q.50	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 is the letter-cluster 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. UZW
	✘ 2. NSP
	✔ 3. IGL
	✘ 4. SXU

Q.51	Within the cardiac conduction system, which structure is recognised as the primary pacemaker responsible for initiating each heartbeat?
Ans	✘ 1. Bundle of His
	✔ 2. Sinoatrial (SA) node
	✘ 3. Atrioventricular (AV) node
	✘ 4. Purkinje fibers

Q.52	As per February 2025 data, how many sports infrastructure projects have been approved under the Khelo India programme?
Ans	✘ 1. 223
	✘ 2. 423
	✘ 3. 123
	✔ 4. 323

Q.53	This question is based on the five, three-digit numbers given below. (Left) 617 335 930 459 571 (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 first digit of the highest number is added to the third digit of the lowest number?
Ans	✗ 1. 13
	✗ 2. 12
	✓ 3. 14
	✗ 4. 15

Q.54	The Moplah Uprising (also known as the Malabar Rebellion) of 1921, which was against British rule and Hindu landlords, took place in which of the following locations?
Ans	✗ 1. Bombay
	✓ 2. Kerala
	✗ 3. Uttar Pradesh
	✗ 4. Bengal

Q.55	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 cats are bills. No snakes are bills. All snakes are dolls. Conclusions: (I) Some dolls are not cats. (II) No bills are dolls.
Ans	✗ 1. Both conclusions (I) and (II) follow.
	✓ 2. Only conclusion (I) follows.
	✗ 3. Only conclusion (II) follows.
	✗ 4. Neither conclusion (I) nor (II) follows.

Q.56	Who among the following has been elected as the Vice President of Institute of Chartered Accountants of India for the term 2025-26 in February 2025?
Ans	✗ 1. V Anantha Nageswaran
	✗ 2. Vivek Joshi
	✓ 3. Prasanna Kumar D
	✗ 4. Charanjot Singh Nanda

Q.57	If Ojaswita received the following marks in five assignments: 82, 86, 92, 75, and 95, what is her average score?
Ans	✗ 1. 84
	✓ 2. 86
	✗ 3. 87
	✗ 4. 89

Q.58	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 :: ? # : QLO :: QLO : %
Ans	✔ 1. # = LGJ, % = VQT
	✘ 2. # = LPU, % = VPY
	✘ 3. # = LLP, % = VOY
	✘ 4. # = KJJ, % = MYT

Q.59	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. SAME - AEMS - EMAS GOAL - OLAG - LAOG
Ans	✘ 1. LEAN - ELAN - NEAL
	✔ 2. SINK - IKNS - KNIS
	✘ 3. YEAK - YAEK - KAEY
	✘ 4. RIPE - IRPE - EIPR

Q.60	VAGL is related to PUAF in a certain way based on the English alphabetical order. In the same way, XCIN is related to RWCH. To which of the following options is FKQV related, following the same logic?
Ans	✘ 1. ZPEK
	✔ 2. ZEKP
	✘ 3. ZPKE
	✘ 4. ZEPK

Q.61 A group of numbers/symbols is coded using letter codes as per the codes given below and the conditions that follow. If none of the conditions apply, then codes for the respective number/symbol to be followed directly as given in the table.

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	2	9	6	7	4	#	3	@	1
Code	Y	A	L	B	S	D	E	Z	C

Conditions –
(i) If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.
(ii) If the first element is an odd number and the last an even number, the first and last elements are to be coded as ©
(iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

What will be the code for the following group?

9 4 @ 1

Ans	✔ 1. ASZC
	✘ 2. ©SZ©
	✘ 3. LZSC
	✘ 4. AZSC

Q.62	Seven boxes, G, H, I, J, O, P and Q, are kept one over the other but not necessarily in the same order. Only G is kept above J. Only Q is kept between J and H. Only I is kept below P. How many boxes are kept between O and I?
Ans	✘ 1. Four
	✘ 2. Two
	✔ 3. One
	✘ 4. Three

Q.63	Which of the following devices processes data in the computer system?
Ans	✗ 1. FDD
	✗ 2. RAM
	✓ 3. CPU
	✗ 4. HDD

Q.64	Liberalisation enabled more autonomy and competition in the banking sector. Which of the following was the first private bank to be set up in India after the 1991 reforms?
Ans	✓ 1. HDFC Bank
	✗ 2. IndusInd Bank
	✗ 3. Axis Bank
	✗ 4. ICICI Bank

Q.65	The population of a village was 1,20,000. It increased by 15% in the first year and increased by 20% in the second year. Its population after two years is _____.
Ans	✓ 1. 1,65,600
	✗ 2. 1,38,000
	✗ 3. 1,62,000
	✗ 4. 1,44,000

Q.66	Which of the following statements regarding the Namo Drone Didi scheme launched during 2024 are correct? It is a central sector scheme aimed at empowering women-led SHGs through drone-based agricultural services. The scheme is primarily implemented by the Ministry of Electronics and Information Technology. The scheme aims to enhance the income of women SHGs by providing drones for use in agriculture.
Ans	✓ 1. Only 1 and 3
	✗ 2. 1, 2 and 3
	✗ 3. Only 2 and 3
	✗ 4. Only 1 and 2

Q.67	The volume (in cm^3) of a wire of diameter 14 cm and length 12 m is: Take $\pi = \frac{22}{7}$
Ans	✗ 1. 1,84,400
	✗ 2. 1,84,300
	✗ 3. 1,84,700
	✓ 4. 1,84,800

Q.68	What sum (in ₹) will earn an interest of ₹420 in 2 years at 5% simple interest per year?
Ans	✗ 1. ₹4,350
	✗ 2. ₹4,400
	✗ 3. ₹4,000
	✓ 4. ₹4,200

Q.69	In a certain code language, ‘shirt mile vow’ is coded as 'sh dx rk' and ‘pie vow fork’ is coded as ‘gg ne sh’. How is ‘vow’ coded in the given language?
Ans	✗ 1. rk
	✗ 2. gg
	✓ 3. sh
	✗ 4. dx

Q.70	Simplify: $\dfrac{\left(\dfrac{15}{18}\right)}{\left(\dfrac{15}{3}\right)} \div \left(\dfrac{3}{6} \times \dfrac{12}{9} + \dfrac{2}{6}\right) + \dfrac{3}{8} \div \dfrac{18}{15} \text{ of } \dfrac{15}{8}$
Ans	✗ 1. $\dfrac{7}{13}$
	✗ 2. $\dfrac{2}{9}$
	✓ 3. $\dfrac{1}{3}$
	✗ 4. $\dfrac{5}{7}$

Q.71	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 :: ? # : YFI :: LSV : %
Ans	✗ 1. # = UBE, % = BWZ
	✗ 2. # = UBE, % = PWO
	✗ 3. # = VBE, % = PWZ
	✓ 4. # = UBE, % = PWZ

Q.72	Find the greatest number by which when the numbers 176 and 273 are divided, it leaves remainders 5 and 3, respectively.
Ans	✗ 1. 12
	✗ 2. 14
	✗ 3. 10
	✓ 4. 9

Q.73	David’s salary was first reduced by 17% and subsequently raised by 10%. How much percentage was his final salary lower compared to his initial salary?
Ans	✗ 1. 1.7%
	✗ 2. 17%
	✓ 3. 8.7%
	✗ 4. 10%

Q.74	Which smallest number should be added to 25553 so that the sum is completely divisible by 38?
Ans	✓ 1. 21
	✗ 2. 22
	✗ 3. 23
	✗ 4. 18

Q.75	Srirangam Srinivasa Rao (Sri Sri), who received the Sahitya Akademi Award in 1972, primarily wrote poetry in which language?
Ans	✗ 1. Kannada
	✗ 2. Malayalam
	✗ 3. Tamil
	✓ 4. Telugu

Q.76	The India-Afghanistan border is officially referred to as _____.
Ans	✗ 1. McMahon Line
	✗ 2. Line of Control
	✓ 3. Durand Line
	✗ 4. Radcliffe Line

Q.77	When did the central office of the Reserve Bank of India shift to Mumbai?
Ans	✗ 1. 1947
	✗ 2. 1949
	✗ 3. 1935
	✓ 4. 1937

Q.78	The ratio of an exterior angle to the interior angle of a regular polygon A is 1 : 4. Find the number of sides of A.
Ans	✗ 1. 8
	✗ 2. 9
	✓ 3. 10
	✗ 4. 12

Q.79	Each of the digits in the number 1538672 is arranged in ascending order from left to right. 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. 12
	✗ 2. 8
	✗ 3. 11
	✓ 4. 9

Q.80	Which region in India is known for experiencing 'Norwesters' during the pre-monsoon season?
Ans	✗ 1. Southern India
	✓ 2. Eastern India
	✗ 3. Northern India
	✗ 4. Western India

Q.81	Who was the Saka Kshatrapa king defeated by Chandragupta II?
Ans	✗ 1. Nahapana
	✗ 2. Rudrasena
	✓ 3. Rudrasimha III
	✗ 4. Rudradaman

Q.82	If $x = 2 + \sqrt{3}$, what is the value of $x^2 + \frac{1}{x^2}$?
Ans	✔ 1. 14
	✘ 2. 16
	✘ 3. 30
	✘ 4. 26

Q.83	**Lokesh ranked 24th from the top and 34th from the bottom in his class. How many students are there in his class?**
Ans	✔ 1. 57
	✘ 2. 58
	✘ 3. 56
	✘ 4. 59

Q.84	**Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?** **AZB 3, ZYA 9, YXZ 27, XWY 81, ?**
Ans	✘ 1. WVX 729
	✘ 2. VWX 729
	✘ 3. WWX 729
	✔ 4. WVX 243

Q.85	**Each of the digits in the number 3178456 is arranged in ascending order from left to right. What will be the sum of the digits which are first from the left and second from the right in the new number thus formed?**
Ans	✘ 1. 14
	✔ 2. 8
	✘ 3. 10
	✘ 4. 4

Q.86	**If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?** **63 D 19 C 6 B 9 D (56 A 4) = ?**
Ans	✘ 1. 96
	✔ 2. 84
	✘ 3. 62
	✘ 4. 120

Q.87	**The profit made on a product is 66%. What is the loss percentage (rounded off to two decimal place) incurred on the sale if the figures of both the cost price and the selling price are interchanged?**
Ans	✔ 1. 39.76%
	✘ 2. 38.40%
	✘ 3. 41.12%
	✘ 4. 38.57%

Q.88	**Who started the Ramakrishna Mission?**
Ans	✘ 1. Ramakrishna Paramhansa
	✘ 2. Gopal Ganesh Agarkar
	✘ 3. Keshub Chandra Sen
	✔ 4. Swami Vivekananda

Q.89	What is the name of the SpaceX mission 2025 that will take astronauts directly over Earth's polar regions?
Ans	✗ 1. Arctic Quest
	✗ 2. Polar Explorer
	✗ 3. Antarctic Odyssey
	✓ 4. Fram2

Q.90	Anuj gets double the amount in 10 years when invested at compound interest, compounded annually. In how many years will the amount become four times itself?
Ans	✗ 1. 39
	✗ 2. 19
	✓ 3. 20
	✗ 4. 40

Q.91	Simplify: $\sqrt{\frac{1+\sin A}{1-\sin A}}+\sqrt{\frac{1-\sin A}{1+\sin A}}$
Ans	✗ 1. $2\cos A$
	✓ 2. $2\sec A$
	✗ 3. $2\operatorname{cosec} A$
	✗ 4. $2\sin A$

Q.92	Construction is classified under which sector in India?
Ans	✗ 1. Tertiary
	✗ 2. Quaternary
	✓ 3. Secondary
	✗ 4. Primary

Q.93	If $x^2 + y^2 - 12x + 18y + 117 = 0$, then the value of $x^2 + y^2$ is:
Ans	✗ 1. 109
	✗ 2. 121
	✗ 3. 116
	✓ 4. 117

Q.94	A cylinder is surmounted by a cone at one end and a hemisphere at the other end. The common radius is 7 cm, the height of the cylinder is 6 cm and the total height of the structure is 32 cm. Find the volume (in cm^3) of the structure. $Use\ \pi = \frac{22}{7}$
Ans	✗ 1. 2621
	✗ 2. 2616
	✗ 3. 2620
	✓ 4. 2618

Q.95	What should come in place of the question mark (?) in the given series based on the English alphabetical order? QTM ORK MPI KNG ?
Ans	✗ 1. IKF
	✗ 2. IKE
	✗ 3. ILF
	✓ 4. ILE

Q.96	What should come in place of the question mark (?) in the given series? 28, 39, 61, 94, 138, ?
Ans	✗ 1. 183
	✓ 2. 193
	✗ 3. 173
	✗ 4. 163

Q.97	According to the NITI Aayog's discussion paper released in January 2024, which state recorded the highest number of people escaping multidimensional poverty between 2013-14 and 2022-23?
Ans	✗ 1. Rajasthan
	✓ 2. Uttar Pradesh
	✗ 3. Bihar
	✗ 4. Jharkhand

Q.98	In a laboratory thermometer, what is the usual temperature range?
Ans	✓ 1. -10°C to 110°C
	✗ 2. 32°F to 212°F
	✗ 3. 0°C to 100°C
	✗ 4. 94°F to 108°F

Q.99	Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given 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.) 10 - 20 - 25 - 50; 3 - 6 - 11 - 22
Ans	✗ 1. 13 - 15 - 30 - 35
	✗ 2. 19 - 21 - 22 - 44
	✓ 3. 5 - 10 - 15 - 30
	✗ 4. 6 - 12 - 14 - 16

Q.100	Wet farming is typically practised in which type of soil?
Ans	✗ 1. Black soil
	✓ 2. Alluvial soil
	✗ 3. Red soil
	✗ 4. Laterite soil