रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL

Test Date	19/06/2026
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC UnderGraduate CBT 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 : **Mathematics**

Q.1 From the top of a 75-meter-high lighthouse, the angles of depression of two ships are 30° and 45°. If the two ships are on the same side of the lighthouse and in a straight line with its base, find the distance between the two ships. (Use $\sqrt{3} = 1.732$)

Ans
- ✔ A. 54.9 meters
- ✘ B. 52.5 meters
- ✘ C. 58.4 meters
- ✘ D. 61.2 meters

Q.2 A pentagon is divided into three triangles by drawing diagonals from one of its vertices. The areas of two of these triangles are 24 cm^2 and 30 cm^2. The third triangle has a base of 12 cm and a height of 38 cm. What is the area (in cm^2) of the pentagon?

Ans
- ✔ A. 282
- ✘ B. 242
- ✘ C. 275
- ✘ D. 228

Q.3 The price of an article is successively increased by 9% and 13%. Find the percentage increase in the price of the article.

Ans
- ✔ A. 23.17%
- ✘ B. 22.57%
- ✘ C. 20.68%
- ✘ D. 24.69%

Q.4 The present age of a father is equal to sum of ages of his son and daughter. Ten years ago from now, the age of the father was double the age of the son and four times the age of the daughter. The total present age of the father, daughter and son is ____ years.

Ans
- ✔ A. 100
- ✘ B. 120
- ✘ C. 80
- ✘ D. 60

Q.5 A positive integer N divides 228, leaving a remainder of 18. What is the greatest two-digit value of N?

Ans
- ✗ A. 60
- ✓ B. 70
- ✗ C. 42
- ✗ D. 84

Q.6 Pipes, A and B, can fill a tank in 10 hours. Pipes, B and C, can fill the same tank in 20 hours. If pipe B alone can fill the same tank in 30 hours, how much time will the pipes A and C take together to fill the same tank.

Ans
- ✗ A. 13 hours
- ✗ B. 14 hours
- ✓ C. 12 hours
- ✗ D. 16 hours

Q.7 Chetan's salary is ₹16000 per month. He spends ₹6000 on house rent, ₹1500 on bills and the rest of the amount is his monthly savings. Find his savings(in ₹) in a year, if in the month of his birthday he spent his complete monthly saving for birthday celebration.

Ans
- ✗ A. 85000
- ✗ B. 76500
- ✗ C. 102000
- ✓ D. 93500

Q.8 Simplify: $\frac{\left(\frac{13}{21}\right)}{\left(\frac{13}{10}\right)} \div \left(\frac{5}{9} \times \frac{18}{15} + \frac{5}{7}\right) + \frac{10}{6} \div \frac{29}{15} \text{ of } \frac{15}{6}$

Ans
- ✗ A. $\frac{13}{36}$
- ✗ B. $\frac{10}{27}$
- ✓ C. $\frac{20}{29}$
- ✗ D. $\frac{26}{37}$

Q.9 A faster train overtakes a slower train, both moving in the same direction. The faster train takes 36 seconds to completely pass the slower train. A passenger sitting in the faster train observes that he passes the slower train in 12 seconds. Find the ratio of the length of the faster train to the length of the slower train.

Ans
- ✗ A. 3 : 2
- ✗ B. 3 : 1
- ✗ C. 1 : 1
- ✓ D. 2 : 1

Q.10 Two trains, 130 meters and 120 meters long, are running in parallel tracks in the same direction at speeds of 62 km/hr and 44 km/hr, respectively. How much time will the faster train take to completely cross the slower one?

Ans
- ✗ A. 45 seconds
- ✓ B. 50 seconds
- ✗ C. 60 seconds
- ✗ D. 55 seconds

Q.11 If the average of four numbers is 15, and three of the numbers are 10, 20, and 25, what is the fourth number?

Ans
- ✔ A. 5
- ✘ B. 10
- ✘ C. 15
- ✘ D. 20

Q.12 In ΔABC, $\angle A = (3x - 7)^\circ$, $\angle B = 2\angle A$ and $\angle C = (4x + 6)^\circ$. Find the value of $\angle A + \angle C$.

Ans
- ✘ A. 115°
- ✘ B. 148°
- ✘ C. 135°
- ✔ D. 104°

Q.13 The simple interest on a certain sum for 4 years at 10% interest per annum is ₹3,200. What will be the amount payable after 6 years at the same rate?

Ans
- ✔ A. ₹12,800
- ✘ B. ₹12,400
- ✘ C. ₹11,800
- ✘ D. ₹11,400

Q.14 A and B can complete a piece of work in 12 days and 6 days, respectively. Both work together for 2 days and then A leaves. B completes the remaining work alone. In how many days is the whole work completed?

Ans
- ✘ A. 6
- ✘ B. 4
- ✔ C. 5
- ✘ D. 3

Q.15 ₹5,278 is divided among X, Y, and Z in such a way that if ₹67, ₹61, and ₹68 are deducted from their respective shares, they have money in the ratio 8 : 20 : 5. Find X's share after deduction.

Ans
- ✘ A. ₹1,132
- ✘ B. ₹1,082
- ✔ C. ₹1,232
- ✘ D. ₹1,332

Q.16 Surjeet buys 20 kg of sugar for ₹900. He sells 18 kg of sugar for ₹918. What is the percentage profit made by Surjeet?

Ans
- ✘ A. $13\frac{1}{9}\%$
- ✘ B. $11\frac{1}{9}\%$
- ✔ C. $13\frac{1}{3}\%$
- ✘ D. $11\frac{1}{3}\%$

Q.17 A trader buys a mobile phone for ₹8000, spends ₹500 on repairs, and sells it at a profit of 20% on the total cost. Later, the buyer resells it at a loss of 25%. What price does the final buyer pay for the mobile phone?

Ans
- ✘ A. ₹7000
- ✔ B. ₹7650
- ✘ C. ₹10500
- ✘ D. ₹9600

Q.18 Simplify: $8^2 + \sqrt{8^2} - \sqrt{49} - 6$

Ans
- ✗ A. 53
- ✓ B. 59
- ✗ C. 50
- ✗ D. 66

Q.19 Ravi buys an article with a discount of 25% on its marked price. He makes a profit of 10% by selling it at ₹1,320. The marked price of the article was:

Ans
- ✗ A. ₹1,400
- ✗ B. ₹1,650
- ✓ C. ₹1,600
- ✗ D. ₹1,550

Q.20 **Three numbers are in the ratio 3 : 7 : 2, and their LCM is 5376. Their HCF is:**

Ans
- ✓ A. 128
- ✗ B. 161
- ✗ C. 140
- ✗ D. 162

Q.21 **What sum (in ₹) will earn a simple interest of ₹1,320 in 4 years at 8% per year rate of interest?**

Ans
- ✓ A. 4,125
- ✗ B. 8,250
- ✗ C. 422.4
- ✗ D. 2,062.5

Q.22 **A store offers a 10% festival discount on the marked price of ₹900. Later, to clear the stock, it offers an additional 5% off on the already discounted price. What is the total amount paid by the customer?**

Ans
- ✗ A. ₹785.50
- ✗ B. ₹790
- ✓ C. ₹769.50
- ✗ D. ₹775

Q.23 **The ratio of the radii of two spheres is 2 : 3. If the radius of the first sphere is increased by 50% and the radius of the second sphere is increased by 20%, find the ratio of their new volumes.**

Ans
- ✗ A. 216 : 343
- ✗ B. 144 : 125
- ✗ C. 125 : 169
- ✓ D. 125 : 216

Q.24 **Evaluate $25^3 + (-7)^3 + (-18)^3$**

Ans
- ✓ A. 9450
- ✗ B. 9490
- ✗ C. 9173
- ✗ D. 9350

Q.25 The numerator of a fraction is 8 less than the denominator. If the denominator is increased by 5 and the numerator is increased by 3, we get the fraction $\frac{3}{4}$. Find the original fraction.

Ans
- ✗ A. $\frac{3}{5}$
- ✗ B. $\frac{19}{23}$
- ✓ C. $\frac{27}{35}$
- ✗ D. $\frac{11}{14}$

Q.26 In a class, the average weight of the boys is 65 kg and the average weight of the girls is 45 kg. The average weight of the whole class is 57 kg. What is the ratio of the number of girls to the number of boys in the class?

Ans
- ✗ A. 4:3
- ✗ B. 3:2
- ✓ C. 2:3
- ✗ D. 3:4

Q.27 Find the third proportional to 8 and 48.2.

Ans
- ✓ A. 290.405
- ✗ B. 292.805
- ✗ C. 296.605
- ✗ D. 294.205

Q.28 Two friends, P and Q, started a business by investing ₹3,000 and ₹600, respectively. At the end of one year, the business earned a total profit of ₹54,846. What is the share (in ₹) of P in the profit?

Ans
- ✓ A. 45,705
- ✗ B. 45,555
- ✗ C. 45,855
- ✗ D. 45,605

Q.29 Two positive numbers are in the ratio 2:3. If the product of their LCM and HCF is 294, then find the sum of the two numbers.

Ans
- ✗ A. 20
- ✓ B. 35
- ✗ C. 15
- ✗ D. 30

Q.30 324 × 24 = 7776. What will 7.776 ÷ 2.4 be equal to?

Ans
- ✗ A. 0.0324
- ✗ B. 32.4
- ✓ C. 3.24
- ✗ D. 0.324

Section : **General Awareness**

Q.31 **In the production of crystal sugar from sugarcane juice, the sugar is separated from the liquid through the growth of solid particles (sugar crystals) from a concentrated solution (syrup). This separation technique is called _____.**

Ans
- ✔ A. Crystallization
- ✘ B. Filtration
- ✘ C. Distillation
- ✘ D. Chromatography

Q.32 **What is the primary function of the Sahitya Akademi?**

Ans
- ✘ A. To provide translation services
- ✔ B. To promote literature in Indian languages
- ✘ C. To conduct language proficiency tests
- ✘ D. To promote classical languages

Q.33 **Which aspect most clearly contrasts user interaction with system software versus application software?**

Ans
- ✘ A. Application software never has a graphical interface.
- ✔ B. System software typically has minimal direct interaction; applications are highly interactive.
- ✘ C. Users always configure system software for every action.
- ✘ D. Both have identical interaction patterns.

Q.34 **Which among the following states had the largest population of children (0–6 years) as per the Census 2011 provisional figures?**

Ans
- ✘ A. Bihar
- ✔ B. Uttar Pradesh
- ✘ C. Maharashtra
- ✘ D. Rajasthan

Q.35 **The General Agreement on Tariffs and Trade (GATT) was signed in which of the following years?**

Ans
- ✘ A. 1995
- ✘ B. 1944
- ✘ C. 1946
- ✔ D. 1947

Q.36 **After proclamation, Financial Emergency must be approved within how many months by Parliament?**

Ans
- ✘ A. AApproved by both Houses of Parliament within One months
- ✔ B. Approved by both Houses of Parliament within Two months
- ✘ C. Approved by both Houses of Parliament within Three months
- ✘ D. Approved by both Houses of Parliament within Six months

Q.37 **Which physical process creates the seasonal pressure difference between the Indian subcontinent and surrounding oceans that initiates the summer monsoon winds?**

Ans
- ✘ A. Presence of the Himalayas
- ✔ B. Differential heating of land and sea
- ✘ C. Variation in rainfall pattern
- ✘ D. Weak coriolis force

Q.38 The Pitti Island in Lakshadweep is notable for which feature?

Ans

✗ A. It hosts India's largest military base

✗ B. It is the gateway to the Andaman Sea

✗ C. It contains active volcanoes

✓ D. It is uninhabited and has a bird sanctuary

Q.39 What was one main demand of the Muslim League that was accepted by the British government in 1909?

Ans

✗ A. Complete independence

✗ B. Partition of India

✗ C. Universal adult franchise

✓ D. Separate electorates for Muslims

Q.40 Padmashri Elam Endira Devi is associated with which classical dance form?

Ans

✓ A. Manipuri

✗ B. Kathak

✗ C. Bharatanatyam

✗ D. Odissi

Q.41 The female labour force participation rate (LFPR) for persons aged 15+ in October 2025 reached approximately:

Ans

✓ A. 34.2 %

✗ B. 38.0 %

✗ C. 30.0 %

✗ D. 32.0 %

Q.42 As announced in December 2025, Union Coal Minister G. Kishan Reddy stated that the target of 100 million tonnes under the Coal Gasification Mission is to be achieved by which year?

Ans

✓ A. 2030

✗ B. 2034

✗ C. 2032

✗ D. 2028

Q.43 Which four objectives of the Constitution are explicitly mentioned in the Preamble of India?

Ans

✗ A. Parliament, President, Judiciary, Election

✗ B. Rights, Duties, Laws, Governance

✓ C. Justice, Liberty, Equality, Fraternity

✗ D. Sovereign, Republic, Secular, Monarchy

Q.44 The split between Moderates and Extremists in the Indian National Congress took place at the 1907 session held at:

Ans

✗ A. Lahore

✓ B. Surat

✗ C. Calcutta

✗ D. Bombay

Q.45 A plateau that is surrounded by mountains on all sides is generally referred to as a:

Ans

✗ A. Lava plateau

✓ B. Intermontane plateau

✗ C. Dissected plateau

✗ D. Piedmont plateau

Q.46 According to the Census of India 2011, what was the sex ratio (number of females per 1,000 males) among the Scheduled Tribe (ST) population in India?

Ans
- ✔ A. 990
- ✘ B. 970
- ✘ C. 950
- ✘ D. 1,010

Q.47 The work 'Panchasiddhantika', which deals with astronomy, was written in the sixth century by:

Ans
- ✘ A. Brahmagupta
- ✔ B. Varahamihira
- ✘ C. Aryabhata
- ✘ D. Kalidasa

Q.48 The Gateway of India was built to commemorate the visit of:

Ans
- ✔ A. George V and Queen Mary
- ✘ B. Queen Victoria
- ✘ C. Queen Elizabeth II
- ✘ D. Prince Charles

Q.49 In collaboration with UNICEF, the Government of Telangana developed the city-level action plan "CLAP for Children" for which city?

Ans
- ✘ A. Karimnagar
- ✘ B. Nalgonda
- ✔ C. Hyderabad
- ✘ D. Ranga Reddy

Q.50 Which of the following is NOT a directive mentioned in Article 39 of the Indian Constitution?

Ans
- ✘ A. Equal pay for equal work for both men and women
- ✔ B. Promotion of international trade relations
- ✘ C. Prevention of exploitation of childhood and youth
- ✘ D. Protection of the strength and health of workers

Q.51 When electricity is passed through an aqueous solution of sodium chloride (called brine), it decomposes to form sodium hydroxide. This process is called:

Ans
- ✘ A. Filtration process
- ✔ B. Chlor-alkali process
- ✘ C. Polymerisation process
- ✘ D. Sublimation process

Q.52 Which Part and Schedule of the Constitution of India deals with Municipalities?

Ans
- ✘ A. Part IX and 12^{th} Schedule
- ✘ B. Part IX and 11^{th} Schedule
- ✘ C. Part IXA and 11^{th} Schedule
- ✔ D. Part IXA and 12^{th} Schedule

Q.53 The Atal Pension Yojana, introduced as a social security measure in the post-1991 reform period, is available for individuals in which age group?

Ans
- ✔ A. 18-40 years
- ✘ B. 21-50 years
- ✘ C. 21-60 years
- ✘ D. 18-60 years

Q.54 A country with a high birth rate and a high death rate typically reflects:

Ans

✗ A. Post-industrial society

✓ B. Early stage of demographic transition

✗ C. Low dependency ratio

✗ D. Advanced economy

Q.55 A certain software component is critical for memory management and process scheduling, allowing multiple programs to run concurrently, and it is the first program loaded by the boot process. It generally operates in a privileged mode (kernel mode). Based on this description, which category of software does this component belong to?

Ans

✗ A. Utility Software

✓ B. System Software

✗ C. Driver Software

✗ D. Application Software

Q.56 Which country topped the Henley Passport Index 2025?

Ans

✗ A. Japan

✗ B. China

✓ C. Singapore

✗ D. Germany

Q.57 Which Amendment limited the Council of Ministers size to fifteen percent of total Lok Sabha strength?

Ans

✗ A. 99th Amendment

✗ B. 86th Amendment

✓ C. 91st Amendment

✗ D. 42nd Amendment

Q.58 According to the Union Budget 2025-26, how many districts will be initially covered under the 'Prime Minister Dhan-Dhaanya Krishi Yojana-Developing Agri Districts Programme'?

Ans

✗ A. 75

✗ B. 111

✗ C. 51

✓ D. 100

Q.59 Government of India created the Rural Infrastructure Development Fund (RIDF) in NABARD in 1995-96, with an initial corpus of:

Ans

✓ A. ₹2,000 crore

✗ B. ₹5,000 crore

✗ C. ₹3,000 crore

✗ D. ₹4,500 crore

Q.60 The term ROM is an abbreviation for:

Ans

✗ A. Random Output Module

✗ B. Rapid Optical Media

✗ C. Reusable Operating Machine

✓ D. Read Only Memory

Q.61 Who among the following worked for widow remarriage in India?

Ans
- ✔ A. Ishwar Chandra Vidyasagar
- ✘ B. Jyotiba Phule
- ✘ C. Bal Gangadhar Tilak
- ✘ D. Swami Vivekananda

Q.62 The transverse nature of light can be demonstrated using _____.

Ans
- ✘ A. Lens
- ✔ B. Polaroid
- ✘ C. Prism
- ✘ D. Mirror

Q.63 Which among the following best represents the change in society from the Early to the Later Vedic period?

Ans
- ✘ A. Decline of agriculture and rise in hunting
- ✔ B. Emergence of a complex varna hierarchy
- ✘ C. End of religious practices and rituals
- ✘ D. Shift from settled villages to nomadic life

Q.64 One of the winners of the Goldman Environmental Prize 2025, Semia Gharbi, belongs to which place?

Ans
- ✔ A. Tunisia
- ✘ B. Albania
- ✘ C. Peru
- ✘ D. Mongolia

Q.65 Which country's human rights practices report was criticised by Human Rights Watch for omitting categories like LGBT people, persons with disabilities, and freedom of assembly in August 2025?

Ans
- ✘ A. India
- ✘ B. Russia
- ✘ C. China
- ✔ D. United States

Q.66 Which combination of SI base units correctly represents the unit of density based on its dimensional formula?

Ans
- ✘ A. Gram per litre
- ✔ B. Kilogram per metre cubed
- ✘ C. Kilogram per litre
- ✘ D. Milligram per cubic centimetre

Q.67 Which of the following folk music styles belongs to Sikkim?

Ans
- ✘ A. Bihu songs
- ✘ B. Baul
- ✔ C. Lepcha
- ✘ D. Lavani

Q.68 Which of the following courts upheld the government's "Sahyog portal" takedown powers in September 2025?

Ans
- ✘ A. Delhi High Court
- ✘ B. Bombay High Court
- ✘ C. Calcutta High Court
- ✔ D. Karnataka High Court

Q.69 The bar at the bottom of the Windows screen that shows open applications is:

Ans
- ✗ A. Menu bar
- ✗ B. Title bar
- ✗ C. Scroll bar
- ✓ D. Taskbar

Q.70 In which of the following ways has the private sector contributed to India's industrial growth and global expansion since the economic reforms of 1991?

Ans
- ✗ A. Relying solely on government subsidies for expansion
- ✓ B. Aggressively pursuing global acquisitions and enhancing industrial growth
- ✗ C. Limiting its activities to non-core industries
- ✗ D. Restricting industrial growth to maintain a stable economy

Section : General Intelligence and Reasoning

Q.71 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FIN KNS PSX UXC ?

Ans
- ✓ A. ZCH
- ✗ B. YSK
- ✗ C. JKP
- ✗ D. KLM

Q.72 Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only five people sit between G and O. H sits to the immediate left of O. Only one person sits between H and F. Q sits immediately to the left of L. How many people sit between L and O?

Ans
- ✗ A. Two
- ✗ B. Four
- ✗ C. One
- ✓ D. Three

Q.73 In a certain code language, 'BIKE' is coded as '4821' and 'KITE' is coded as '2146'. What is the code for 'B' in the given code language?

Ans
- ✓ A. 8
- ✗ B. 1
- ✗ C. 2
- ✗ D. 4

Q.74 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
- ✓ A. TTV
- ✗ B. ZYB
- ✗ C. KJM
- ✗ D. FEH

Q.75 Refer to the following letter series and answer the question. (Counting to be done from left to right only)
(Left) R C X Z H M E D F T B S I K A Q Y O W G U (Right)
How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

Ans
- ✗ A. 9
- ✓ B. 7
- ✗ C. 8
- ✗ D. 10

Q.76 Read the given statement(s) 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 statement(s).

Statements:
Some fishes are watches.
No watch is an octopus.

Conclusions:
(I) Some fishes are octopus.
(II) Some watches are fishes.

Ans
- ✗ A. Neither conclusion (I) nor (II) follows
- ✓ B. Only conclusion (II) follows
- ✗ C. Only conclusion (I) follows
- ✗ D. Both conclusions (I) and (II) follow

Q.77 All 145 people are standing in a row facing north. Ccd is 24th from the right end while Vks is 26th from the left end. How many people are there between Ccd and Vks?

Ans
- ✗ A. 92
- ✗ B. 94
- ✓ C. 95
- ✗ D. 98

Q.78 The position(s) of how many letters will remain unchanged if each letter in the word SERVANT is arranged in the alphabetical order?

Ans
- ✗ A. 3
- ✗ B. 2
- ✓ C. 1
- ✗ D. 0

Q.79 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 one 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 pairs.)

Ans
- ✗ A. FJ-LP
- ✗ B. HL-NR
- ✗ C. DH-JN
- ✓ D. JO-QU

Q.80 What should come in place of '?' in the given series based on the English alphabetical order?

COV ERX GUZ IXB ?

Ans
- ✗ A. LBE
- ✓ B. KAD
- ✗ C. LAC
- ✗ D. MAD

Q.81 Select the triad that follows the same pattern as that followed by the two sets of triads given below. Both triads follow the same pattern.
BATH –HBAT –THBA
TOYS –STOY -YSTO

Ans
- ✗ A. TOMB -OMTB -MTOB
- ✗ B. CART - ACTR - CTAR
- ✓ C. ABLE-EABL-LEAB
- ✗ D. LOVE- OVEL -VELO

Q.82 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.
DF – HJ – LN
GI – KM –OQ

Ans
- ✓ A. AC – EG – IK
- ✗ B. EB – IG – NL
- ✗ C. ME – QK – XQ
- ✗ D. HI – MP – SU

Q.83 What will come in place of the question mark (?) in the following equation, if '+' and '–' are interchanged and '×' and '÷' are interchanged?

558 × 31 − 18 ÷ 17 + 321 = ?

Ans
- ✓ A. 3
- ✗ B. 33
- ✗ C. 24
- ✗ D. 16

Q.84 Pqr ranked 71st from the bottom and 39th from the top in his class. How many students are there in his class?

Ans
- ✓ A. 109
- ✗ B. 113
- ✗ C. 107
- ✗ D. 108

Q.85 Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. No one sits to the left of H. Only four people sit between H and I. Only three people sit to the right of W. Z sits to the immediate left of J. Y is not an immediate neighbor of W. How many people sit between Y and W?

Ans
- ✗ A. Three
- ✗ B. One
- ✗ C. Four
- ✓ D. Two

Q.86 In a certain code language, 'depth salad road' is coded as ' ok oh wc' and 'salad shirt rat' is coded as 'ut cu oh'. How is 'salad' coded in the given language?

Ans
- ✗ A. ok
- ✓ B. oh
- ✗ C. wc
- ✗ D. ut

Q.87 Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
✗ A. FCZ
✗ B. TQN
✗ C. EBY
✓ D. BZV

Q.88 Read the given statement(s) 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 statement(s).
Statements: All ants are wings. No logs are wings.
Conclusion (I): No logs are ants.
Conclusion (II): Some wings are ants.

Ans
✓ A. Both conclusions (I) and (II) follow
✗ B. Only conclusion (I) follows
✗ C. Only conclusion (II) follows
✗ D. Neither conclusion (I) nor (II) follows

Q.89 In a certain code language,
A ÷ B means 'A is the son of B',
A # B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D # R & Y + H'?

Ans
✗ A. Father
✗ B. Son
✗ C. Husband
✓ D. Brother

Q.90 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

94 ÷ 5 + 262 - 24 x 6 = ?

Ans
✓ A. 212
✗ B. 209
✗ C. 210
✗ D. 211

Q.91 What should come in place of the '?' in the given series?

15 22 40 67 105 152 ?

Ans
✓ A. 210
✗ B. 156
✗ C. 165
✗ D. 167

Q.92 **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 etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 200
17, 189

Ans
- ✗ A. 22, 246
- ✓ B. 19, 211
- ✗ C. 16, 176
- ✗ D. 24, 264

Q.93 **Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)**
(Left) 6 4 2 9 3 2 6 8 4 2 8 8 1 6 7 6 5 8 7 5 4 3 4 (Right)
How many such odd digits are there, each of which immediately preceded by an even digit and also immediately followed by an odd digit?

Ans
- ✗ A. None
- ✓ B. Two
- ✗ C. One
- ✗ D. Three

Q.94 **What should come in place of ? in the given series based on the English alphabetical order?**
LMO STV ZAC GHJ ?

Ans
- ✗ A. NNP
- ✗ B. MPQ
- ✗ C. NPP
- ✓ D. NOQ

Q.95 **Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

DGD−ADA
ILI−FIF

Ans
- ✗ A. ACY−WZW
- ✗ B. ADA−WAW
- ✗ C. ACY−XAX
- ✓ D. ADA−XAX

Q.96 **X is the mother of F. F is the sister of T. U is the father of K. K is the son of T. How is X related to K?**

Ans
- ✓ A. Mother's mother
- ✗ B. Mother's sister
- ✗ C. Sister
- ✗ D. Mother

Q.97 **Mr. Vasu starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 17 km, turns left and drives 9 km. He then takes a right turn, drives 5 km, turns left and drives 20 km. He then takes a left turn and drives 29 km. He takes a final left turn, drives 4 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-degree turns only unless specified.)**

Ans
- ✗ A. 8 km to the north
- ✗ B. 9 km to the south
- ✗ C. 10 km to the east
- ✓ D. 7 km to the west

Q.98 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 163742, how many digits will appear more than once in the new number thus formed?

Ans

✗ A. None

✗ B. One

✓ C. Two

✗ D. Three

Q.99 What should come in place of '?' in the given series?
111 114 120 129 ? 156

Ans

✗ A. 151

✓ B. 141

✗ C. 144

✗ D. 148

Q.100 All 165 people are standing in a row facing north. Rt is 134th from the right end while Kl is 18th from the left end. How many people are there between Rt and Kl?

Ans

✗ A. 12

✓ B. 13

✗ C. 14

✗ D. 16

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