रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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

Test Date	16/06/2026
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 **A shopkeeper offers the following schemes on toys of the same marked price.**
(A) Successive discounts of 50% and 16% on any number of toys bought.
(B) Successive discounts of 49%, 8% and 13% on any number of toys bought.
(C) 35% discount on the first 6 toys and 45% discount on each toy thereon.
(D) On buying eight items, the customer is billed for only four items.
A customer wants to buy 8 toys. Which of the above schemes is the least beneficial to her?

Ans
✗ A. B
✗ B. D
✓ C. C
✗ D. A

Q.2 **A shopkeeper buys two types of rice costing ₹32 per kg and ₹40 per kg. He buys a total of 45 kg of rice for ₹1600. The ratio of the quantity (in kg) of rice costing ₹32 per kg to that costing ₹40 per kg is**

Ans
✗ A. 3:2
✓ B. 5:4
✗ C. 4:5
✗ D. 2:3

Q.3 **The value of the expression $0.125 \times 4^4 \times 2^{-5} \times 0.25^2 \times 8^2$ is _____.**

Ans
✗ A. 2
✗ B. 16
✓ C. 4
✗ D. 8

Q.4 **Two taps can fill a cistern in 4 hours and 12 hours, respectively. A third tap can empty it in 12 hours. How long (in hours) will it take to fill one-fourth of the empty cistern if all the taps are opened together?**

Ans
✗ A. 4
✗ B. 2
✗ C. 3
✓ D. 1

Q.5 A total of money is split among E, F, G and H in the ratio 9:7:5:3. If G gets ₹4000 less than F, how much does E receive?

Ans
- ✗ A. ₹16000
- ✗ B. ₹20000
- ✓ C. ₹18000
- ✗ D. ₹17000

Q.6 A car travels from City A to City B at a speed of 60 km/h. After reaching City B, the driver increases the speed by 20 km/h for the return journey. Due to road repairs on the way back, the car is forced to slow down for 30 minutes, during which it travels at only 30 km/h instead of the increased speed. If the total time for the round trip is 7 hours, find the distance between City A and City B.

Ans
- ✓ A. $229\frac{2}{7}$ km
- ✗ B. $227\frac{2}{5}$ km
- ✗ C. $219\frac{2}{7}$ km
- ✗ D. $229\frac{2}{5}$ km

Q.7 The arithmetic mean of 10 observations is 42. Three of the observations are 30, 38, and 50. The remaining six observations have an average of 45. Find the missing observation.

Ans
- ✗ A. 31
- ✗ B. 33
- ✓ C. 32
- ✗ D. 34

Q.8 A sum of ₹20,000 amounts to ₹21,218 in 2 years under compound interest, compounded annually. Find the rate of interest per annum.

Ans
- ✓ A. 3%
- ✗ B. 5%
- ✗ C. 8%
- ✗ D. 4%

Q.9 Find the value of $\left\{3.46+3\frac{1}{4}-5\frac{1}{8}+4.25+0.165\right\}$.

Ans
- ✗ A. 7
- ✗ B. 7.4
- ✓ C. 6
- ✗ D. 6.8

Q.10 A sum of ₹8,000 is borrowed at a simple interest rate of 5% per annum for 3 years. What is the simple interest payable?

Ans
- ✓ A. ₹1,200
- ✗ B. ₹1,600
- ✗ C. ₹1,400
- ✗ D. ₹1,000

Q.11 The angle of elevation of the top of a building from a point 40 m away is 45°. What is the height of the building?

Ans

✗ A. 20 m

✓ B. 40 m

✗ C. 36 m

✗ D. 30 m

Q.12 How many sides does a regular polygon have if each interior angle measures 150°?

Ans

✗ A. 15 sides

✗ B. 10 sides

✗ C. 8 sides

✓ D. 12 sides

Q.13 Simplify $\sqrt{[1624+\sqrt{\{3225+\sqrt{(419+157)}\}}]}$.

Ans

✗ A. 43

✗ B. 45

✗ C. 47

✓ D. 41

Q.14 A closed cylindrical reservoir features a radius of 14 cm and a height of 10 cm. If 20% of the total surface area of this reservoir is coated in blue paint and the remaining surface is coated in red, determine the total area in square centimeters that is painted red. [Use $\pi = 22/7$]

Ans

✗ A. $424.4\ \text{cm}^2$

✗ B. $422.4\ \text{cm}^2$

✓ C. $1689.6\ \text{cm}^2$

✗ D. $1687.6\ \text{cm}^2$

Q.15 A company has 10 officers and 30 clerks. The average monthly salary of an officer is ₹45,000 and that of a clerk is ₹25,000. What is the average salary of the entire staff?

Ans

✗ A. ₹35,000

✓ B. ₹30,000

✗ C. ₹28,000

✗ D. ₹32,000

Q.16 The largest four-digit number which when divided by 12, 13 and 7 leaves remainder 3 in each case is:

Ans

✗ A. 9934

✗ B. 9618

✗ C. 9438

✓ D. 9831

Q.17 A cyclist travels 40 meters in 8 seconds. What is his speed?

Ans

✓ A. 18 km/hr

✗ B. 21 km/hr

✗ C. 16 km/hr

✗ D. 24 km/hr

Q.18 The HCF and LCM of two positive integers are 36 and 7,560, respectively. If one of the numbers is 540, what is the other number?

Ans
- ✗ A. 396
- ✗ B. 468
- ✗ C. 432
- ✓ D. 504

Q.19 The diagonals of a rhombus are 19 cm and 29 cm. Find its area.

Ans
- ✗ A. 255.5 cm²
- ✗ B. 265.5 cm²
- ✓ C. 275.5 cm²
- ✗ D. 285.5 cm²

Q.20 If a:b = 12:13 and b:c = 4:5, what is a:c?

Ans
- ✗ A. 12:5
- ✗ B. 4:5
- ✗ C. 4:13
- ✓ D. 48:65

Q.21 The price of a jacket is first increased by 20% and then decreased by 25%. If the original price was ₹600, what is the final price of the jacket?

Ans
- ✗ A. ₹570
- ✗ B. ₹600
- ✗ C. ₹480
- ✓ D. ₹540

Q.22 Evaluate $24^3 + (-5)^3 + (-19)^3$

Ans
- ✓ A. 6840
- ✗ B. 6763
- ✗ C. 6572
- ✗ D. 6783

Q.23 A shopkeeper purchases rice at ₹60 per kg. While selling, he uses a weighing scale that shows 1 kg when only 900 g is actually weighed. He marks the price 20% above the cost price. Later, he gives a 10% discount on the marked price but continues using the same faulty scale. Find his profit (in ₹) on each transaction where the buyer pays for 1 kg.

Ans
- ✓ A. ₹10.80
- ✗ B. ₹9.80
- ✗ C. ₹10.20
- ✗ D. ₹9.20

Q.24 Mary is 3 years older than her sister. If their combined age is 27 years, what is Mary's age (in years)?

Ans
- ✓ A. 15
- ✗ B. 14
- ✗ C. 13
- ✗ D. 12

Q.25 A swimming pool is fitted with three pipes. The first two pipes working simultaneously, fill the pool in the same time as the third pipe alone. The second pipe alone fills the pool 5 hours faster than the first pipe and 4 hours slower than the third pipe. In what time will the second and third pipes together fill the pool?

Ans
- ✗ A. 4 hours
- ✓ B. $3\frac{3}{4}$ hours
- ✗ C. $7\frac{1}{2}$ hours
- ✗ D. 6 hours

Q.26 A smart city metro line had an average of 4,500 daily riders last month. This month, it averaged 4,860 riders per day. What is the percentage growth in ridership?

Ans
- ✗ A. 6.4%
- ✓ B. 8%
- ✗ C. 4.5%
- ✗ D. 10.2%

Q.27 Find the mean proportional between $(x + y)^2$ and $(x - y)^2$, (x and y are natural number and x > y).

Ans
- ✗ A. $xy + x^2$
- ✗ B. $x^2 + y^2$
- ✗ C. $xy + y^2$
- ✓ D. $x^2 - y^2$

Q.28 If $\sqrt{x} = 5$, what is the value of $\sqrt{x + 25}$?

Ans
- ✗ A. $3\sqrt{5}$
- ✗ B. $2\sqrt{5}$
- ✓ C. $5\sqrt{2}$
- ✗ D. $5\sqrt{3}$

Q.29 The marked price of a sweater is ₹600. The wholesaler offers a 20% discount to a retailer for up to 20 sweaters and a 25% discount if the order exceeds 20 sweaters. Find the amount paid by the retailer if he orders 22 such sweaters.

Ans
- ✗ A. ₹9,250
- ✗ B. ₹9,500
- ✗ C. ₹9,850
- ✓ D. ₹9,900

Q.30 Ritu gets a discount of 40% on an oven whose marked price is ₹1000. Since she pays by credit card, she gets an additional 22% discount. How much does she pay (in ₹)?

Ans
- ✗ A. 469
- ✓ B. 468
- ✗ C. 467
- ✗ D. 465

Section : General Awareness

Q.31 Which river forms a fertile region within parts of the Great Indian Desert?

Ans
- ✗ A. Sabarmati River
- ✗ B. Narmada River
- ✗ C. Beas River
- ✓ D. Ghaggar River

Q.32 **Which of the following cases for the first time held the Preamble to be part of the Constitution?**

Ans
- ✓ A. Kesavananda Bharati Case, 1973
- ✗ B. Golaknath Case, 1967
- ✗ C. S.R. Bommai Case, 1994
- ✗ D. Berubari Case, 1960

Q.33 **Which of the following Government of India schemes was launched in 2017 to achieve universal household electrification by providing electricity connections to all un-electrified households in rural areas and all poor households in urban areas in the country?**

Ans
- ✓ A. Saubhagya Scheme (Pradhan Mantri Sahaj Bijli Har Ghar Yojana)
- ✗ B. Pradhan Mantri Ghar Ghar Bijili Yojana (PMGGBY)
- ✗ C. Power for All Scheme
- ✗ D. Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY)

Q.34 **The historical chronicle Rajatarangini, which presents a detailed account of the kings of Kashmir, was composed by:**

Ans
- ✗ A. Bilhana
- ✗ B. Somadeva
- ✓ C. Kalhana
- ✗ D. Kshemendra

Q.35 **Which Indian non-profit organization became the first Indian to win the Ramon Magsaysay Award in 2025?**

Ans
- ✓ A. Educate Girls
- ✗ B. Pratham
- ✗ C. Akshaya Patra
- ✗ D. Teach For India

Q.36 **Which of the following Harappan sites is famous for its dockyard?**

Ans
- ✗ A. Rakhigarhi
- ✗ B. Kalibangan
- ✓ C. Lothal
- ✗ D. Nal

Q.37 **Which of the following countries won the highest number of medals at the Summer Olympics 2024?**

Ans
- ✗ A. Australia
- ✗ B. India
- ✗ C. China
- ✓ D. United States of America

Q.38 **In which kind of forest do the plants remain leafless for most of the year?**

Ans
- ✗ A. Evergreen forests
- ✗ B. Montane forest
- ✓ C. Tropical thorn forest
- ✗ D. Littoral and swamp forest

Q.39 The NITI Aayog, created in 2015, replaced the Planning Commission as part of India's development restructuring. What is the correct full form of NITI?

Ans

✗ A. National Independent Think-tank of India

✗ B. National Interface for Technological Innovation

✗ C. National Initiative for Traditional Industries

✓ D. National Institution for Transforming India

Q.40 Which feature correctly describes the extremists' use of religious symbolism?

Ans

✓ A. Cultural symbols like Shivaji and Ganapati were used for political mobilisation.

✗ B. Festivals were reorganised to discourage participation from non-Hindu groups

✗ C. All movements were confined exclusively to Hindu religious gatherings.

✗ D. Ritual worship was introduced into political meetings to replace speeches.

Q.41 Which human species is associated with the Upper Paleolithic cultural phase?

Ans

✗ A. Homo erectus populations moving out of Africa

✗ B. Homo neanderthalensis in European and Asian regions

✓ C. Anatomically Modern Homo sapiens across the Old World

✗ D. Denisovan groups settled in mountain environments

Q.42 Which of the following is a physical change only?

Ans

✓ A. Crystallization

✗ B. Oxidation

✗ C. Combustion

✗ D. Reduction

Q.43 Which Article of the Indian Constitution empowers Parliament to form new states or alter their boundaries?

Ans

✗ A. Article 6

✓ B. Article 3

✗ C. Article 5

✗ D. Article 2

Q.44 Which of the following makes the Judiciary, the guardian of the Constitution?

Ans

✓ A. Judicial review

✗ B. Independence

✗ C. Service conditions

✗ D. Judicial overreach

Q.45 What minimum distance should the reflecting surface be for an echo to be heard?

Ans

✗ A. 5 m

✓ B. 17.2 m

✗ C. 34.2 m

✗ D. 10 m

Q.46 According to the Sustainable Development Report, 2025, what was India's standing in the SDG Index?

Ans

✓ A. 99th

✗ B. 85th

✗ C. 120th

✗ D. 110th

Q.47 Susumu Kitagawa, Richard Robson and Omar M. Yaghi were awarded with Nobel Prize in 2025 for their contributions in which field?

Ans
- ✔ A. Chemistry
- ✘ B. Medicine
- ✘ C. Physics
- ✘ D. Economic Sciences

Q.48 The Union Territories Laws (Amendment) Bill, 2024, does NOT propose to amend which of the following Acts?

Ans
- ✘ A. Jammu and Kashmir Reorganisation Act, 2019
- ✘ B. Government of National Capital Territory of Delhi Act, 1991
- ✔ C. Representation of the People Act, 1951
- ✘ D. Government of Union Territories Act, 1963

Q.49 The primary focus of tertiary activities is:

Ans
- ✘ A. Extraction of natural resources
- ✘ B. Wealth creation through agriculture
- ✘ C. Transformation of raw materials
- ✔ D. Production of intangible goods

Q.50 The Preamble declares India to be a Secular State. What is the meaning of this?

Ans
- ✔ A. State protects all religions equally
- ✘ B. Citizens must not practise any religion
- ✘ C. Religion is banned by the State
- ✘ D. State promotes majority religion

Q.51 Kudremukh in Karnataka is famous for the mining of:

Ans
- ✔ A. Iron Ore
- ✘ B. Manganese
- ✘ C. Limestone
- ✘ D. Copper

Q.52 Saang dance is a ritualistic popular traditional folk dance of _____, reflecting its culture in the true sense.

Ans
- ✘ A. Sikkim
- ✘ B. Punjab
- ✘ C. Kerala
- ✔ D. Haryana

Q.53 In which of the following Indian states does the maximum portion of the Upper Ganga Plain extend?

Ans
- ✘ A. Bihar
- ✘ B. West Bengal
- ✘ C. Haryana
- ✔ D. Uttar Pradesh

Q.54 Who among the following was awarded the Col. CK Nayudu Lifetime Achievement Award in the men's category at the BCCI Naman Awards 2025?

Ans
- ✘ A. Rahul Dravid
- ✘ B. Rohit Sharma
- ✔ C. Sachin Tendulkar
- ✘ D. Sourav Ganguly

Q.55 The Vernacular Press Act (1878) targeted _____.

Ans

✔ A. Indian-language newspapers critical of British rule

✘ B. Hindi educational journals during British rule

✘ C. English newspapers only

✘ D. Trade publications against British rule

Q.56 What is the main characteristic of cells in the meristematic phase of growth in plants?

Ans

✘ A. Large vacuoles

✔ B. Active cell division

✘ C. Maximum cell size

✘ D. Thick cell walls

Q.57 In the Windows operating system, _____ is the first user-mode process that initializes system sessions and starts essential background services.

Ans

✘ A. Control Panel

✘ B. Task Manager

✘ C. Windows Explorer

✔ D. Session Manager

Q.58 In 2025, which Danish autonomous territory drew global attention due to strategic interest by major powers, echoing Trump's 2019 acquisition bid?

Ans

✘ A. Svalbard

✘ B. Faroe Islands

✔ C. Greenland

✘ D. Iceland

Q.59 Which of the following vehicles was used to launch the SpaDex mission by the Indian Space Research Organisation?

Ans

✘ A. GSLV Mk II

✘ B. SSLV-D2

✘ C. GSLV Mk III

✔ D. PSLV-C60

Q.60 Who were referred to as Uzhavar in Sangam literature?

Ans

✔ A. Ploughmen

✘ B. Large landowners

✘ C. Slaves

✘ D. Priests

Q.61 Which user interface requires users to type instructions using the keyboard to perform tasks?

Ans

✘ A. Touch-based Interface

✘ B. Voice-based Interface

✘ C. Graphical User Interface

✔ D. Command-based Interface

Q.62 The deficiency of which vitamin can lead to night blindness?

Ans

✘ A. Vitamin B12

✔ B. Vitamin A

✘ C. Vitamin D

✘ D. Vitamin C

Q.63 Which advanced Task Manager function allows users to analyze process dependencies to identify which background services a program relies on?

Ans

✗ A. Go to Details

✗ B. Open File Location

✗ C. End Task

✓ D. Analyze Wait Chain

Q.64 Which rewritable optical disc format allows users to erase and update data multiple times?

Ans

✓ A. Compact Disc-ReWritable

✗ B. Central Directory-ReWritable

✗ C. Controlled Disc-ReWriter

✗ D. Computer Disc-ReadWrite

Q.65 Which archaeological site revealed the earliest known public water tank of the ancient world, famously referred to as the Great Bath?

Ans

✗ A. Dholavira

✓ B. Mohenjo-daro

✗ C. Lothal

✗ D. Surkotada

Q.66 Which period is associated with the Extremist phase of the Indian National Congress?

Ans

✗ A. 1947–1950

✗ B. 1885–1905

✓ C. 1905–1919

✗ D. 1920–1947

Q.67 Which of the following has NOT aided in Globalisation of the Indian economy?

Ans

✗ A. Reduction of trade barriers

✗ B. Emergence of multinational companies in India

✗ C. E-commerce

✓ D. Farm subsidies

Q.68 According to the Women, Peace and Security (WPS) Index 2025/26, what is India's rank out of 181 countries?

Ans

✗ A. 121st

✗ B. 111th

✓ C. 131st

✗ D. 141st

Q.69 According to the Constitution of India, the 'Right to Freedom' is specifically guaranteed under which exact set of Articles?

Ans

✗ A. Articles 14, 15, 16 and 17

✗ B. Articles 23, 24, 25 and 26

✓ C. Articles 19, 20, 21 and 22

✗ D. Articles 32, 33, 34 and 35

Q.70 Wasteland refers to:

Ans

✗ A. Land covered by forests

✓ B. Land not suitable for cultivation due to natural or human causes

✗ C. Urban green areas

✗ D. River valley fertile land

Section : **General Intelligence and Reasoning**

Q.71 Each vowel in the word LIMEADE 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. How many letters will appear exactly twice in the new group of letters thus formed?

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

Q.72 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
EAW 87 ZVR 75 UQM 63 PLH 51 ?

Ans
- ✗ A. KHB 39
- ✗ B. KSB 38
- ✗ C. KFB 38
- ✓ D. KGC 39

Q.73 In a row of 46 people facing the north, Batul sits 33rd from the right end. If Jaya sits 31st from the left end of the row, how many people sit between Batul and Jaya?

Ans
- ✗ A. 13
- ✓ B. 16
- ✗ C. 14
- ✗ D. 18

Q.74 If ‘A’ stands for ‘+’, ‘B’ stands for ‘–’, ‘C’ stands for ‘×’ and ‘D’ stands for ‘÷’, then what will come in place of the question mark (?) in the following equation?

40 D 5 A 8 C 2 B 12 = ?

Ans
- ✓ A. 12
- ✗ B. 10
- ✗ C. 14
- ✗ D. 16

Q.75 In a certain code language, ‘watch bow third’ is coded as 'ft gb vs' and ‘canoe watch art’ is coded as ‘vs rp hr’. How is ‘watch’ coded in the given language?

Ans
- ✗ A. gb
- ✓ B. vs
- ✗ C. rp
- ✗ D. ft

Q.76 What should come in place of '?' in the given series based on the English alphabetical order?

KFS GBO CXK YTG ?

Ans
- ✗ A. VSF
- ✗ B. VWD
- ✗ C. WDG
- ✓ D. UPC

Q.77 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 wings are toys. No toys are pens.
Conclusion (I): No pens are wings.
Conclusion (II): Some wings are not pens.

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

Q.78 Refer to the following letter series and answer the question. (Counting to be done from left to right only)
(Left) D F T B M E Q Y O W G U S I K A R C X Z H (Right)
How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

Ans
- ✘ A. 2
- ✔ B. 5
- ✘ C. 3
- ✘ D. 4

Q.79 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CFG : GJK ;
KMP : OQT

Ans
- ✔ A. GNP : KRT
- ✘ B. LMI : NOK
- ✘ C. DJL : AGI
- ✘ D. ACH : BDI

Q.80 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.)

Ans
- ✘ A. TG - QE
- ✔ B. ZI - WF
- ✘ C. UC -RA
- ✘ D. XD - UB

Q.81 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of the question mark '?' in the following equation?

2 B 32 A 1 D 1 C 45 = ?

Ans
- ✔ A. 108
- ✘ B. 110
- ✘ C. 106
- ✘ D. 109

Q.82 KEGJ is related to RLNQ in a certain way based on the English alphabetical order. In the same way, NHJM is related to UOQT. To which of the following is QKMP related, following the same logic?

Ans
- ✘ A. RXWT
- ✘ B. RXTW
- ✘ C. XRWT
- ✔ D. XRTW

Q.83 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above O. Only three boxes are kept between O and S. Only one box is kept between Q and M. M is kept immediately above S. Only four boxes are kept between Q and P. R is kept at some place above N. Which box is kept second below R?

Ans
- ✗ A. Q
- ✓ B. S
- ✗ C. O
- ✗ D. N

Q.84 Based on the English 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. YAD
- ✓ B. EHJ
- ✗ C. MOR
- ✗ D. SUX

Q.85 Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.
Only four boxes are kept between Q and O. Only P is kept above Q. Only two boxes are kept between N and R. S is kept immediately above M. R is not kept immediately above S.
Which box is kept fourth from the top?

Ans
- ✓ A. S
- ✗ B. O
- ✗ C. P
- ✗ D. M

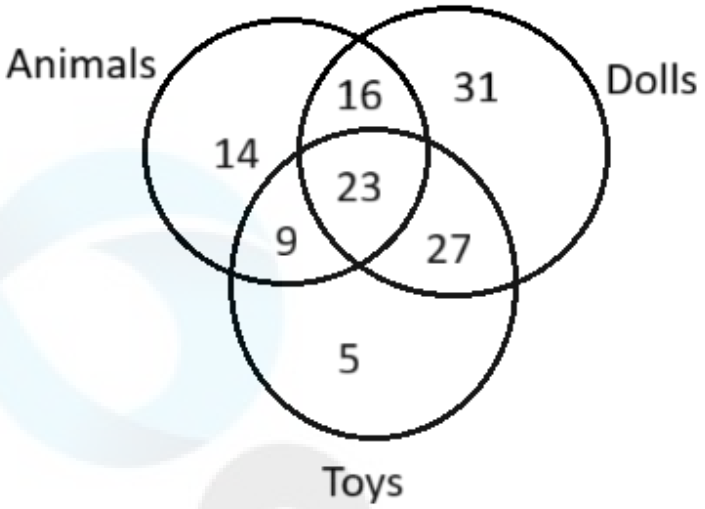
Q.86 In a certain code language,
A @ B means 'A is the mother of B',
A × B means 'A is the wife of B',
A + B means 'A is the brother of B' and
A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D ÷ R + Y @ H'?

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

Q.87 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)

How many such Animals are there which are also Toys but are not Dolls?



Ans

- ✔ A. 9
- ✘ B. 31
- ✘ C. 5
- ✘ D. 16

Q.88 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the wife of B',
A × B means 'A is the father of B', and
A ÷ B means 'A is the mother of B'.
Based on the above, how is U related to Y if 'U - V × W + X ÷ Y'?

Ans

- ✔ A. Mother's mother
- ✘ B. Father's mother
- ✘ C. Father's sister
- ✘ D. Mother's sister

Q.89 Each of the digits in the number 5421389 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

Ans

- ✘ A. THREE
- ✘ B. NONE
- ✔ C. TWO
- ✘ D. ONE

Q.90 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. XTW
- ✘ B. IEH
- ✔ C. GEF
- ✘ D. NJM

Q.91 Town J is to the west of Town T. Town R is to the east of Town T. Town K is to the south of Town R. Town M is to the west of Town K. Town M is to the south-west of Town T. Town J is to the north of Town M. What is the position of Town J with respect to Town K?

Ans
- ✗ A. South-east
- ✗ B. South-west
- ✗ C. North-east
- ✓ D. North-west

Q.92 What should come in place of the '?' in the given series?

8 22 64 134 232 ?

Ans
- ✗ A. 345
- ✗ B. 385
- ✓ C. 358
- ✗ D. 354

Q.93 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
JTT : OQS
NQS : SNR

Ans
- ✓ A. EOR : JLQ
- ✗ B. VMK : QKJ
- ✗ C. SGD : NDB
- ✗ D. TUJ : ORK

Q.94 Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north.
Only five people sit between I and L. S sits to the immediate left of L. Only one person sits between S and N. U sits at some place to the left of E but at some place to the right of T.
Who sits third from the left end of the line?

Ans
- ✓ A. U
- ✗ B. T
- ✗ C. E
- ✗ D. N

Q.95 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.)

19, 229
22, 265

Ans
- ✗ A. 24, 252
- ✗ B. 23, 278
- ✓ C. 28, 337
- ✗ D. 26, 314

Q.96 Seven people, Manu, Neha, Ojas, Pooja, Shina, Tina and Upendra, are sitting around a circular table, facing the centre. Neha sits second to the left of Ojas. Upendra sits second to the left of Neha. Tina sits to the immediate left of Shina. Manu is not an immediate neighbour of Upendra.
How many people sit between Manu and Upendra, when counted from the left of Manu?

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

Q.97 Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 9 6 5 9 9 7 7 9 7 9 3 6 2 1 2 1 6 9 1 7 4 7 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

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

Q.98 In a certain code language, 'know city routes' is coded as 'ha mi ko' and 'city lights beautiful' is coded as 'ly ha jh'. How is 'city' coded in the given language?

Ans
- ✗ A. jh
- ✗ B. ko
- ✗ C. ly
- ✓ D. ha

Q.99 What should come in place of '?' in the given series?

41 53 66 80 95 111 ?

Ans
- ✗ A. 131
- ✗ B. 134
- ✓ C. 128
- ✗ D. 123

Q.100 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

JKA KNF LQK MTP ?

Ans
- ✗ A. MNG
- ✗ B. OIU
- ✓ C. NWU
- ✗ D. MKJ

"