RRB NTPC Under Graduate CBT 1 – Question Paper with Answers

CEN 07/2025 · NTPC Under Graduate Level · Test date: 9 May 2026 · 4:30–6:00 PM · English translation of the Gujarati paper · 100 questions · +1 correct, −1/3 wrong

Mathematics

Q.1 **An amount of ₹120 is paid using ₹10, ₹5 and ₹2 coins. If the numbers of ₹10 and ₹2 coins are interchanged, the amount becomes ₹304. If the numbers of ₹5 and ₹2 coins are interchanged, the amount becomes ₹165. How many ₹2 coins were used in paying the ₹120?**

A. 20
B. 10
C. 25 ✓
D. 15

Answer: C. 25

Q.2 **If cosA = 4/5, then find the value of (sin²A − 5cos²A + sec²A) / tan²A.**

A. −451/225
B. −511/225 ✓
C. 109/225
D. 23/225

Answer: B. −511/225

Q.3 **A dishonest shopkeeper claims to sell his goods at a 35% loss, but by using a false weighing scale he makes an 85% profit. Find the actual weight (up to one decimal place) he uses for 1 kg.**

A. 349.4 gm
B. 347.2 gm
C. 348.5 gm
D. 351.4 gm ✓

Answer: D. 351.4 gm

Q.4 **On what sum (in ₹) will a simple interest of ₹1,440 be earned in 2 years at 12% per annum?**

A. 12,000
B. 345.6
C. 3,000
D. 6,000 ✓

Answer: D. 6,000

Q.5 **Three numbers are in the ratio 4 : 3 : 13 and their LCM is 4524. Find their HCF.**

A. 21
B. 29 ✓
C. 45
D. 49

Answer: B. 29

Q.6 **A shopkeeper marks an article 40% above its cost price and gives a discount of 25% on it. What is his profit or loss percentage?**

A. 15% loss
B. 15% profit
C. 5% profit ✓
D. 5% loss

Answer: C. 5% profit

Q.7 **A shopkeeper offers the following schemes on toys of the same marked price.**
(A) Successive discounts of 34% and 37% on any number of toys bought.
(B) Successive discounts of 36%, 15% and 14% on any number of toys bought.
(C) 33% discount on the first 6 toys and 9% discount on each toy thereafter.
(D) 3 toys free on buying 9 toys.
A customer wants to buy 9 toys. Which of the above schemes is the least beneficial to her?

A. C ✓
B. A
C. B
D. D

Answer: A. C

Q.8 **Two taps can fill a tank in 4 hours and 16 hours, respectively. A third tap can empty it in 4 hours. If all three taps are opened together, how long (in hours) will it take to fill one-fourth of the empty tank?**

A. 16
B. 12
C. 8
D. 4 ✓

Answer: D. 4

Q.9 **A shopkeeper marks the price of a jacket at ₹2,000. He gives a 20% discount on it, but charges 5% GST on the discounted price. What is the final price the customer has to pay for the jacket?**

A. ₹1,596
B. ₹1,680 ✓
C. ₹1,880
D. ₹1,700

Answer: B. ₹1,680

Q.10 **If the expression $x^3 - 3x^2 - 7x - k$ is divisible by $(x - 5)$, find the value of k.**

A. -5
B. 15 ✓
C. -15
D. 5

Answer: B. 15

Q.11 **The mean of 25 observations is 32.6. If the mean of the first 24 observations is 30, find the 25^{th} observation.**

A. 80
B. 90
C. 95 ✓
D. 85

Answer: C. 95

Q.12 **What is the third proportional to 0.25 and 0.15?**

A. 0.02
B. 0.09 ✓
C. 0.15
D. 0.04

Answer: B. 0.09

Q.13 **The circumradius of a regular octagonal fountain is 10 m. Find the approximate length of each of its sides.**

A. 6.13 m
B. 8.71 m
C. 7.65 m ✓
D. 9.27 m

Answer: C. 7.65 m

Q.14 **Simplify: (15/42 ÷ 15/3) ÷ (3/10 × 20/9 + 5/14) + 3/6 ÷ 43/20 of 20/6**

A. 6/43 ✓

B. 14/47

C. 4/37

D. 11/45

Answer: A. 6/43

Q.15 **The HCF and LCM of two numbers are 25 and 500, respectively. If the first number is divided by 2, the quotient is 50 and the remainder is zero. Find the second number.**

A. 50

B. 125 ✓

C. 250

D. 100

Answer: B. 125

Q.16 **The fourth proportional to 4, 6 and 8 is m. The third proportional to 8 and m is n. What is the value of n?**

A. 20

B. 18 ✓

C. 24

D. 16

Answer: B. 18

Q.17 **A square is drawn inside another square in such a way that each vertex of the inner square lies on the midpoint of a side of the outer square. If the perimeter of the inner square is 40 cm, find the perimeter of the outer square.**

A. 40√2 cm ✓

B. 40 cm

C. 20√2 cm

D. 80√2 cm

Answer: A. 40√2 cm

Q.18 **Five friends took part in a cooking contest and scored 6, 8, 7, 9 and 5 marks out of 10, respectively. What is the mean of their marks?**

A. 6.5

B. 7 ✓

C. 8.5

D. 8

Answer: B. 7

Q.19 **A can complete a piece of work in 9 days, while B and C can each complete it in 18 days. All three start working together and work for x days. After that A leaves, and B and C together complete the remaining work in x days. Find the value of x.**

A. 4.5
B. 4
C. 3 ✓
D. 3.5

Answer: C. 3

Q.20 **The price of fuel decreases by 55%, 35% and 45% respectively in three consecutive months, but increases by 40% in the fourth month. By what percentage has the fuel price decreased in the fourth month compared to its original price? (Give the answer up to 2 decimal places.)**

A. 81.67%
B. 73.05%
C. 77.48% ✓
D. 76.52%

Answer: C. 77.48%

Q.21 **A bus travels at a uniform speed of 54 km/hr. How many metres will it cover in 1 minute?**

A. 800 metres
B. 900 metres ✓
C. 600 metres
D. 750 metres

Answer: B. 900 metres

Q.22 **Evaluate: $22^3 + (-15)^3 + (-7)^3$**

A. 6981
B. 6930 ✓
C. 6929
D. 6826

Answer: B. 6930

Q.23 **If ₹2000 is invested for 2 years at 20% per annum compound interest, compounded annually, how much compound interest will be earned at the end of 2 years?**

A. ₹1000
B. ₹800
C. ₹900
D. ₹880 ✓

Answer: D. ₹880

Q.24 **If the height at which a ladder touches a wall is the mean proportional between 6 metres and 24 metres, at what height does the ladder touch the wall?**

A. 18 metres
B. 16 metres
C. 14 metres
D. 12 metres ✓

Answer: D. 12 metres

Q.25 **Amit's present age is twice the age of his brother Sumit. Five years ago, the ratio of their ages was 5:2. What is Sumit's present age?**

A. 8 years
B. 15 years ✓
C. 10 years
D. 20 years

Answer: B. 15 years

Q.26 **A motorist makes a certain journey in two stages. In the first stage, he travels at 30 km/hr for one-third of the total time. In the second stage, he travels at 60 km/hr for the remaining time. He returns to the starting point at a uniform speed of 75 km/hr. Find the average speed of the motorist for the whole round trip.**

A. 58 km/hr
B. 55 km/hr
C. 60 km/hr ✓
D. 62 km/hr

Answer: C. 60 km/hr

Q.27 **The base of a triangle is 18 cm and its height is 20 cm. Find the height of another triangle that has twice its area and a base of 24 cm.**

A. 22 cm
B. 20 cm
C. 30 cm ✓
D. 24 cm

Answer: C. 30 cm

Q.28 **The price of a shirt decreases from ₹200 to ₹180. What is the percentage decrease?**

A. 10% ✓
B. 20%
C. 5%
D. 15%

Answer: A. 10%

Q.29 **Add 11/16 and 0.4375. What will this sum be in decimal form?**

A. 0.958
B. 0.975
C. 1.125 ✓
D. 1.208

Answer: C. 1.125

Q.30 **Simplify 30 + [{−9 × (26 − 13 + 5)}].**

A. -133
B. -132 ✓
C. -134
D. -135

Answer: B. -132

General Awareness

Q.31 **What was an important reason behind the popularity of Tamil devotional hymns during Chola rule?**

A. Their opposition to Vedic practices
B. Their rejection of temple rituals
C. The support they received from Vellala peasants and rulers ✓
D. Their emphasis on the worship of local tribal deities

Answer: C. The support they received from Vellala peasants and rulers

Q.32 **Why are lipids important in the structure of the cell membrane in living organisms?**

A. They provide instructions for protein synthesis.

B. They form a barrier that controls what enters and leaves the cell. ✓

C. They act as catalysts in biochemical reactions.

D. They store genetic information.

Answer: B. They form a barrier that controls what enters and leaves the cell.

Q.33 **Which of the following Buddhist texts describes the rules (code of conduct) for monks in the monastery?**

A. Anguttara Nikaya

B. Sutta Pitaka

C. Abhidhamma Pitaka

D. Vinaya Pitaka ✓

Answer: D. Vinaya Pitaka

Q.34 **In the architecture of the Windows operating system, which important component acts as a bridge between application programs and the core hardware, running in protected mode and managing process scheduling, memory allocation and interrupt handling?**

A. The Windows shell (Explorer), which manages the desktop, taskbar and file system user interface.

B. The Hardware Abstraction Layer (HAL), which isolates the kernel from platform-specific hardware differences.

C. The Win32 subsystem, which translates instructions for 32-bit applications and manages display output.

D. The Kernel, which includes executive services, the process manager and the security reference monitor. ✓

Answer: D. The Kernel, which includes executive services, the process manager and the security reference monitor.

Q.35 **Under which Article of the Indian Constitution is there a constitutional provision to set up a Finance Commission every five years?**

A. Article 280 ✓

B. Article 291

C. Article 270

D. Article 299

Answer: A. Article 280

Q.36 **In semi-arid north-western India, intensive canal irrigation has led to increased soil salinity and reduced crop yields. What best explains this, and what correction is needed?**

A. Excess irrigation washes away nutrients below; the priority is to increase the use of chemical fertilisers.

B. Prolonged irrigation causes waterlogging; the priority is to shift to drought-resistant crop varieties.

C. Cold canal water causes physiological stress on crops; the priority is to control the temperature of irrigation water.

D. A rising groundwater table increases salts; the priority is improving drainage and leaching of salts. ✓

Answer: D. A rising groundwater table increases salts; the priority is improving drainage and leaching of salts.

Q.37 **In which of the following cases is chemical energy converted into electrical energy and then into light and heat energy?**

A. When water is boiled

B. When a flashlight is switched on ✓

C. When a candle burns

D. When a fan rotates

Answer: B. When a flashlight is switched on

Q.38 **The Punchhi Commission (2007) was set up mainly to assess and make recommendations on which aspect of the Indian Constitution?**

A. Centre-State relations ✓

B. Electoral reforms in India

C. Directive Principles of State Policy

D. Fundamental Rights

Answer: A. Centre-State relations

Q.39 **Under which Article of the Indian Constitution is provision made for the organisation of village panchayats?**

A. Article 40 ✓

B. Article 37

C. Article 13

D. Article 50

Answer: A. Article 40

Q.40 **Which of the following committees focused on tax reforms in India?**

A. Malhotra Committee

B. Vijay L. Kelkar Committee ✓

C. Narasimham Committee

D. Rangarajan Committee

Answer: B. Vijay L. Kelkar Committee

Q.41 **What fundamental change did the extremist leaders bring into Indian nationalism?**

A. Promotion of Western education

B. Articulation of 'Swaraj' through radical methods ✓

C. Emphasis on gradual constitutional reforms

D. Support for cooperative political dialogue

Answer: B. Articulation of 'Swaraj' through radical methods

Q.42 **Which of the following is the main function of system software?**

A. Managing computer hardware and running applications ✓

B. Editing images

C. Creating documents

D. Browsing the internet

Answer: A. Managing computer hardware and running applications

Q.43 **Which of the following natural regions is dominated by xerophytic (drought-resistant) thorny vegetation with long roots, few or no leaves, and waxy or needle-shaped leaves?**

A. Mediterranean woodland

B. British-type cool temperate region

C. Hot desert (Sahara type) region ✓

D. Semi-arid steppe grasslands

Answer: C. Hot desert (Sahara type) region

Q.44 **The intensity of which tribal movement made it necessary for the British to deploy troops from distant regions?**

A. The Bhil revolt in Khandesh, known as sporadic local protests

B. The Moplah rebellion, limited only to coastal fishing villages

C. The Kol rebellion in Singhbhum, which challenged British authority

D. The Santhal rebellion, which ended with a limited military response ✓

Answer: D. The Santhal rebellion, which ended with a limited military response

Q.45 **The Vinaya Pitaka, one of the main Buddhist texts, mainly focuses on which of the following?**

A. Rules for monks and nuns ✓
B. Meditation practices and philosophy
C. Cosmology and astrological systems
D. Stories of the Buddha's previous births

Answer: A. Rules for monks and nuns

Q.46 **Who is the author of the book "The Great Conciliator: Lal Bahadur Shastri and the Transformation of India", which was released in April 2025?**

A. Sanjeev Chopra ✓
B. Arun Singhal and Devendra Kumar Sharma
C. P.S. Raman
D. Rosy Thomas

Answer: A. Sanjeev Chopra

Q.47 **Which category of computer application is most important for preparing the design of complex physical objects such as cars, houses and machinery before they are built?**

A. Simulation Software
B. Computer-Aided Design (CAD) ✓
C. Data Management Systems
D. Presentation Software

Answer: B. Computer-Aided Design (CAD)

Q.48 **Which key combination is used to close the active applications of a computer?**

A. Alt key + F1 function key
B. Alt key + F8 function key
C. Alt key + F4 function key ✓
D. Alt key + F6 function key

Answer: C. Alt key + F4 function key

Q.49 **Basavanna, the 12th-century saint and pioneer of the Vachana movement, made an important contribution to the devotional literature of which language?**

A. Hindi
B. Odia
C. Marathi
D. Kannada ✓

Answer: D. Kannada

Q.50 **In March 2025, Lenovo announced a partnership with which Indian AI firm to build India's largest AI supercomputer?**

A. Krutrim ✓
B. L&T Semiconductor
C. QpiAI
D. AI4Bharat

Answer: A. Krutrim

Q.51 **In December 2025, Orient Technologies announced a strategic partnership with which company to provide advanced AI-driven SIEM capabilities across India?**

A. Digi Yatra
B. Sophos Limited
C. ServiceNow
D. Securonix ✓

Answer: D. Securonix

Q.52 **Which is the highest forum in India for discussion and deliberation on public issues and national policy?**

A. Office of the President
B. Supreme Court
C. Election Commission
D. Parliament ✓

Answer: D. Parliament

Q.53 **In India, which of the following institutions conducts Open Market Operations (OMOs) to manage the money supply effectively?**

A. The government bank owned by each state
B. National Bank for Agriculture and Rural Development (NABARD)
C. Securities and Exchange Board of India (SEBI)
D. Reserve Bank of India (RBI) ✓

Answer: D. Reserve Bank of India (RBI)

Q.54 **In which of the following types of forests are animals such as lynx and moose most likely to be found along with trees like spruce, fir and pine?**

A. Alpine tundra
B. Temperate deciduous forests
C. Tropical rainforests
D. Coniferous forests ✓

Answer: D. Coniferous forests

Q.55 **Which of the following countries renewed its existing Kartarpur Corridor agreement with India in October 2024?**

A. Bangladesh
B. Nepal
C. China
D. Pakistan ✓

Answer: D. Pakistan

Q.56 **The Rigveda mentions the terms Arya varna and Dasa varna. In the early Vedic context, what do these terms indicate?**

A. Occupational guilds based on trade specialisation
B. A four-varna hierarchy strictly based on birth
C. The distinction between the Vedic people and non-Vedic groups ✓
D. Political positions in tribal administration

Answer: C. The distinction between the Vedic people and non-Vedic groups

Q.57 **Public Interest Litigation is an example of which principle?**

A. Executive Action
B. Judicial Neutrality
C. Judicial Review
D. Judicial Activism ✓

Answer: D. Judicial Activism

Q.58 **In which year did the Indian Parliament pass the 'Fiscal Responsibility and Budget Management' (FRBM) Act to promote fiscal prudence?**

A. 1991
B. 1998
C. 2003 ✓
D. 2005

Answer: C. 2003

Q.59 **Under which of the following provisions of the Indian Constitution are "Equality before law" and "equal protection of the laws" given among the Fundamental Rights?**

A. Article 16
B. Article 14 ✓
C. Article 13
D. Article 15

Answer: B. Article 14

Q.60 **In 1905, the Swadeshi and Boycott movement in Bengal was formally announced at a meeting held at which place?**

A. Nagpur Congress
B. Banaras Congress
C. Calcutta Town Hall ✓
D. Dhaka Town Square

Answer: C. Calcutta Town Hall

Q.61 **Which continent is known for being extremely cold and mostly covered with ice?**

A. Africa
B. South America
C. North America
D. Antarctica ✓

Answer: D. Antarctica

Q.62 **What is the theme of the 24th World Sustainable Development Summit (WSDS 2025) organised by The Energy and Resources Institute (TERI)?**

A. Green Technology for Future Economies
B. Partnerships for Accelerating Sustainable Development and Climate Solutions ✓
C. Innovations for Carbon Neutrality
D. Biodiversity Conservation and Climate Resilience

Answer: B. Partnerships for Accelerating Sustainable Development and Climate Solutions

Q.63 **In the 2011 Census, which Indian state recorded the lowest child sex ratio (0–6 years)?**

A. Chandigarh
B. Jammu & Kashmir
C. Punjab
D. Haryana ✓

Answer: D. Haryana

Q.64 **In its COP30 statement, India claims to have achieved which target by July 2025?**

A. Zero coal-based power plants
B. 25% of electricity from non-fossil sources
C. 100% renewable energy by 2030
D. 50% of installed power generation capacity from non-fossil sources ✓

Answer: D. 50% of installed power generation capacity from non-fossil sources

Q.65 **In November 2025, which Indian player set a new world record for the most sixes in ODI cricket with 352 sixes?**

A. Shubman Gill
B. Virat Kohli
C. Rohit Sharma ✓
D. Suryakumar Yadav

Answer: C. Rohit Sharma

Q.66 **When considering the dimensions of electric charge, which base units must be combined to express it in terms of SI base quantities?**

A. Electric current and length
B. Mass and electric current
C. Electric current and time ✓
D. Length and time

Answer: C. Electric current and time

Q.67 **Which Mughal emperor strengthened imperial authority by introducing the Mansabdari system and a centralised bureaucracy?**

A. Muhammad Shah
B. Humayun
C. Shah Jahan
D. Akbar ✓

Answer: D. Akbar

Q.68 **According to Census 2011 data, what was India's literacy rate?**

A. 64.83%
B. 79.40%
C. 70.00%
D. 74.04% ✓

Answer: D. 74.04%

Q.69 **In dicotyledonous plants, which type of root system has a main primary root from which lateral branches arise?**

A. Tap root system ✓
B. Fibrous root system
C. Prop root system
D. Adventitious root system

Answer: A. Tap root system

Q.70 **What was the theme of World Leprosy Day 2025?**

A. "United for Dignity"

B. "Act Now. End Leprosy."

C. "Unite. Act. Eliminate." ✓

D. "Beat Leprosy."

Answer: C. "Unite. Act. Eliminate."

General Intelligence and Reasoning

Q.71 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All shackets are hats.
Some shackets are caps.
Conclusions:
(I) Some hats are caps.
(II) All caps are shackets.

A. Only conclusion (I) follows ✓

B. Neither conclusion (I) nor conclusion (II) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

Answer: A. Only conclusion (I) follows

Q.72 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**
YKQ QCI IUA AMS ?

A. SEK ✓

B. PEG

C. KFY

D. RAD

Answer: A. SEK

Q.73 **G is the father of Y. Y is the son of J. M is the brother of W. W is the son of J. How is G related to W?**

A. Brother

B. Father ✓

C. Husband

D. Son

Answer: B. Father

Q.74 **In the following triads, each letter-cluster is related to the next letter-cluster following a certain logic. Select the option that follows the same logic.**
DENY - DYNE - YNED
HUGE - HEGU - EGUH

A. LOST - LTSO - TSOL ✓
B. GROW - GRWO - ROWG
C. TURN - TRUN - NRUT
D. CLOT - LCOT - TLOC

Answer: A. LOST - LTSO - TSOL

Q.75 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**
MNO PQR STU VWX ?

A. YZA ✓
B. YZB
C. YYZ
D. YAZ

Answer: A. YZA

Q.76 **Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only one box is kept above C. A is not the topmost box. Only two boxes are kept below D. G is below D but above F. E is kept below A. How many boxes are kept between A and E?**

A. Three
B. None ✓
C. One
D. Two

Answer: B. None

Q.77 **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.)
(12, 36, 3)
(15, 75, 5)

A. (7, 72, 12)
B. (8, 56, 9)
C. (13, 188, 6)
D. (14, 56, 4) ✓

Answer: D. (14, 56, 4)

Q.78 **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.)

A. EWO
B. MEO ✓
C. ASK
D. XPH

Answer: B. MEO

Q.79 **Each letter of the word KNIFERS is arranged in English alphabetical order. In the new letter-cluster thus formed, how many letters are there in the English alphabetical order between the letter third from the left and the letter third from the right?**

A. 7
B. 5
C. 3
D. 4 ✓

Answer: D. 4

Q.80 **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.)

A. KHN ✓
B. NKP
C. VSX
D. ROT

Answer: A. KHN

Q.81 **Each vowel in the word WONDERLANDS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it. Which of the following letters will appear exactly twice in the new letter-cluster thus formed?**

A. F
B. M ✓
C. Q
D. R

Answer: B. M

Q.82 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All beads are chairs.
All beads are monks.
Conclusions:
(I) Some chairs are monks.
(II) All monks are beads.

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

Answer: C. Only conclusion (I) follows.

Q.83 **Following a certain logic, KR 19 is related to NM 6. Following the same logic, MV 11 is related to PQ −2. Following the same logic, to which of the following is CS 7 related?**

A. FN −6 ✓
B. KL 7
C. GH 7
D. HJ −9

Answer: A. FN −6

Q.84 **In a certain code language, "ZCKU" is coded as "94" and "SAPI" is coded as "126". What is the code for "GXRB" in this language?**

A. 127
B. 120
C. 114 ✓
D. 119

Answer: C. 114

Q.85 **Seven people F, G, H, L, M, O and Q are sitting in a row facing north. No one sits to the right of Q. O sits immediately to the left of Q. Only three people sit between Q and H. F sits third to the left of L. G sits immediately to the right of L. How many people sit between M and O?**

A. Two
B. One
C. Three ✓
D. Four

Answer: C. Three

Q.86 **In the following triads, each letter-cluster is related to the next letter-cluster following a certain logic. Select the option that follows the same logic.**
LIES - ILSE - LSIE
FROG - RFGO - FGRO

A. PALE - ALEP - LEPA
B. SCAM - MSCA - AMSC
C. LUCK - UCLK - CLUK
D. CUPS - UCSP - CSUP ✓

Answer: D. CUPS - UCSP - CSUP

Q.87 **In a certain code language,**
'A × B' means 'A is the father of B',
'A ≠ B' means 'A is the son of B',
'A ÷ B' means 'A is the daughter of B' and
'A ₹ B' means 'A is the sister of B'.
Based on the above, if 'C ÷ D ₹ E ≠ L × M', how is C related to M?

A. Mother's mother
B. Sister
C. Sister's daughter ✓
D. Daughter

Answer: C. Sister's daughter

Q.88 **Dinesh starts from point A and drives 20 km towards the west. He then takes a left turn and drives 18 km, takes a left turn and drives 21 km. He then takes a left turn and drives 28 km, and finally takes a left turn, drives 1 km and stops at point P. How far (shortest distance) and in which direction should he drive to reach point A again? (All turns are 90° turns only unless specified.)**

A. 11 km towards the north
B. 10 km towards the north
C. 10 km towards the south ✓
D. 11 km towards the south

Answer: C. 10 km towards the south

Q.89 **If '+' means '−', '−' means '×', '×' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?**
21 − 4 ÷ 10 + 36 × 4 = ?

A. 90
B. 85 ✓
C. 84
D. 89

Answer: B. 85

Q.90 **Seven persons F, G, H, L, M, O and Q are sitting in a row facing north. No one sits to the right of M. Only three persons sit between O and M. Only one person sits between M and L. H sits immediately to the left of G. Q does not sit immediately next to M. How many people sit between F and H?**

A. Three
B. One
C. Two
D. Four ✓

Answer: D. Four

Q.91 **Each of seven boxes A, B, R, U, P, T and S is placed one over the other but not necessarily in the same order. Only four boxes are placed above U. Only one box is placed above R. Only one box is placed between R and A. S is placed immediately above T. P is placed somewhere below B. How many boxes are placed between B and S?**

A. Two
B. One
C. Four ✓
D. Three

Answer: C. Four

Q.92 **Study the given letter series and answer the question that follows.**
(Counting is to be done from left to right only.)
(Left) K D A Z Z X L E L A R A E P E Y U Z F U Q P (Right)
How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 5
B. 8
C. 7
D. 6 ✓

Answer: D. 6

Q.93 **What should come in place of the question mark ('?') in the given series?**
45 ? 63 81 105 135

A. 54
B. 51 ✓
C. 53
D. 52

Answer: B. 51

Q.94 **If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7281654, which digit will be third from the left in the new number thus formed?**

A. 3
B. 9
C. 7 ✓
D. 1

Answer: C. 7

Q.95 **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 option 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.)

A. HL - ZS
B. QU - IB
C. WA - OH
D. GK - YP ✓

Answer: D. GK - YP

Q.96 **If 'P' means '÷', 'Q' means '×', 'R' means '+' and 'S' means '−', then what will come in place of the question mark (?) in the following equation?**
40 R 16 P 4 S 3 Q 5 = ?

A. 29 ✓
B. 25
C. 30
D. 32

Answer: A. 29

Q.97 **What should come in place of the question mark (?) in the given series?**
92 109 143 194 262 ?

A. 349
B. 351
C. 347 ✓
D. 345

Answer: C. 347

Q.98 **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**
RNT KGM DZF WSY ?

A. FPR
B. YFT
C. WKF
D. PLR ✓

Answer: D. PLR

Q.99 **Each of seven boxes, E, F, G, H, I, J and R, is kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only one box is kept above R. Only one box is kept between R and H. G is kept immediately above J. F is kept somewhere below I. How many boxes are kept between I and F?**

A. Two

B. One ✓

C. Zero

D. Three

Answer: B. One

Q.100 **In a certain code language, 'NHJCR' is coded as '77' and 'QETLO' is coded as '61'. What is the code for 'PHASJ' in the given code language?**

A. 70

B. 52

C. 76 ✓

D. 55

Answer: C. 76