RRB NTPC Under Graduate CBT 1 – Question Paper with Answers

CEN 07/2025 · NTPC Under Graduate Level · Test date: 8 May 2026 · 4:30–6:00 PM · 100 questions · +1 correct, −1/3 wrong

Mathematics

Q.1 **Simplify: (16/36 ÷ 16/4) ÷ (2/7 × 14/6 + 5/12) + 4/7 ÷ 39/12 of 12/7**

A. 12/47
B. 8/39 ✓
C. −1/43
D. 7/33

Answer: B. 8/39

Q.2 **Which of the following ratios is equal to 3:2?**

A. 35:25
B. 45:20
C. 60:45
D. 120:80 ✓

Answer: D. 120:80

Q.3 **If the interest on a sum of ₹y at 4% per annum compounded annually for 2 years is ₹765, then the total amount payable at the end of the two-year period will be _____.**

A. ₹10,115
B. ₹10,210
C. ₹10,140 ✓
D. ₹10,351

Answer: C. ₹10,140

Q.4 **A pair of shoes is marked at ₹2800 and is subject to a trade discount of 18%. Under a special offer, a customer buys 5 pairs at the discounted price and gets an additional 2 pairs at 50% off the discounted price. Find the total cost to the customer for 7 pairs of shoes.**

A. ₹ 13,776 ✓
B. ₹ 13,876
C. ₹ 13,676
D. ₹ 13,667

Answer: A. ₹ 13,776

Q.5 **Three numbers are in the ratio 3 : 7 : 2, and their LCM is 8820. Their HCF is:**

A. 240

B. 208

C. 210 ✓

D. 235

Answer: C. 210

Q.6 **Pipes A and B together can fill a cistern in 10 hours. Pipes B and C together can fill the same cistern in 20 hours, and pipes C and A together can fill it in 12 hours. Find the time taken by pipe B alone to fill the cistern.**

A. 32 hours

B. 25 hours

C. 28 hours

D. 30 hours ✓

Answer: D. 30 hours

Q.7 **A spherical water tank has an internal diameter of 10 meters. If the tank is coated with a material that costs ₹5 per square meter, what is the total cost to coat the entire internal surface? (Use π = 3.14)**

A. ₹785

B. ₹314

C. ₹1570 ✓

D. ₹1257

Answer: C. ₹1570

Q.8 **The average monthly income of six employees in an office is ₹24,000. When a new employee joins the office, the average income of all seven employees becomes ₹25,500. What is the monthly income of the new employee?**

A. ₹34,000

B. ₹33,000

C. ₹33,500

D. ₹34,500 ✓

Answer: D. ₹34,500

Q.9 **In a college, the ratio of science to arts students is different for each of its three batches. In Batch A, the ratio is 5:8, in Batch B it is 7:11, and in Batch C it is 3:5. Which batch has the highest proportion of science students?**

A. Batch B ✓

B. Batch C

C. All have the same proportion

D. Batch A

Answer: A. Batch B

Q.10 **If the third proportional to 4 and 20 is m and the third proportional to m and 50 is n, what is the value of n?**

A. 24
B. 20
C. 28
D. 25 ✓

Answer: D. 25

Q.11 **In ΔXYZ, XY = XZ and ∠X = 40°, what is the measure of ∠Z?**

A. 80°
B. 70° ✓
C. 40°
D. 60°

Answer: B. 70°

Q.12 **The mean of the following data is 12.5. Find the missing frequency p.**
Data Values (x): 10, 15
Frequency (f): 5, p

A. 6
B. 5 ✓
C. 4
D. 3

Answer: B. 5

Q.13 **A delivery van covers the first 100 km at 50 km/h, the next 150 km at 60 km/h, and the last 50 km at 40 km/h. What is the average speed for the entire journey (correct to two places of decimal)?**

A. 50.05 km/h
B. 52.17 km/h ✓
C. 48.29 km/h
D. 54.54 km/h

Answer: B. 52.17 km/h

Q.14 **The population of a town increases by 10% in the year 2015 and decreases by 15% in the year 2016. If the population of the town at the end of the year 2016 is 1,87,000, find the population of the town in the beginning of the year 2015.**

A. 2,00,000 ✓
B. 2,10,000
C. 2,15,000
D. 1,95,000

Answer: A. 2,00,000

Q.15 **Which of the following numbers is divisible by 11?**

A. 3,762 ✓
B. 6,184
C. 4,915
D. 7,393

Answer: A. 3,762

Q.16 **In a division sum, the divisor is 14 times the quotient and 5 times the remainder. If the remainder is 56, what is the dividend?**

A. 5655
B. 5656 ✓
C. 5651
D. 5653

Answer: B. 5656

Q.17 **Sangeeta's salary is revised twice in two consecutive years. In the first year, the salary is increased by 12%. In the second year, it is decreased by 10%. Despite this, her salary after the second revision is ₹1,584 more than the original salary. What is Sangeeta's original monthly salary (in ₹)?**

A. 1,75,000
B. 1,89,000
C. 2,00,000
D. 1,98,000 ✓

Answer: D. 1,98,000

Q.18 **A train covers a distance of 300 kilometers in 5 hours. If the same train takes 6 hours to cover the same distance, what is the change in its speed?**

A. 15 km/h decrease
B. 10 km/h increase
C. 15 km/h increase
D. 10 km/h decrease ✓

Answer: D. 10 km/h decrease

Q.19 **Simplify: (0.25 × 1.6) ÷ (0.04 × 0.5)**

A. 20 ✓
B. 2
C. 10
D. 8

Answer: A. 20

Q.20 **A and B can do a piece of work in 12 days and 39 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?**

A. 24
B. 21
C. 23
D. 22 ✓

Answer: D. 22

Q.21 **The amount under simple interest on a sum of ₹8,000 for 3 years at an interest rate of 7.5% per annum is**

A. ₹9800 ✓
B. ₹10000
C. ₹9600
D. ₹9400

Answer: A. ₹9800

Q.22 **If a man bought an article at 20% less than its marked price and sold it for ₹10 more than its marked price, his profit was 40%. What was the marked price (in ₹) of the article (correct to two decimal places)?**

A. ₹83.33 ✓
B. ₹76.66
C. ₹86.66
D. ₹73.33

Answer: A. ₹83.33

Q.23 **Evaluate $23^3 + (-14)^3 + (-9)^3$**

A. 8502
B. 8694 ✓
C. 8498
D. 8581

Answer: B. 8694

Q.24 **The present age of Person A is 5 years more than twice the age of Person B. If Person B is 15 years old, what is the present age (in years) of Person A?**

A. 35 ✓
B. 33
C. 34
D. 32

Answer: A. 35

Q.25 **A trader buys a consignment of goods for ₹2400. He sells one-third of the goods at a 20% profit, and one-fourth of the goods at a 10% loss, and the remaining goods at cost price. What is the overall profit or loss percentage?**

A. 4 1/6% profit ✓

B. 4 1/6% loss

C. 4 1/5% profit

D. 4 1/5% loss

Answer: A. 4 1/6% profit

Q.26 **A shopkeeper offers the following schemes on toys of the same marked price.**
(A) Successive discounts of 21% and 8% on any number of toys bought.
(B) Successive discounts of 38%, 42% and 30% on any number of toys bought.
(C) 17% discount on the first 8 toys and 20% discount on each toy thereon.
(D) 7 toys free of cost on buying 10 toys.
A customer wants to buy 10 toys. Which of the above schemes is the least beneficial to her?

A. A

B. D

C. C ✓

D. B

Answer: C. C

Q.27 **Eight mangoes and five oranges cost ₹164, while five mangoes and eight oranges cost ₹148. Determine the cost of three mangoes and three oranges.**

A. ₹74

B. ₹76

C. ₹72 ✓

D. ₹70

Answer: C. ₹72

Q.28 **A ladder leans against a wall, making an angle of 60° with the ground. If the foot of the ladder is 15 metres from the wall, what is the length of the ladder?**

A. 32 m

B. 30 m ✓

C. 42 m

D. 36 m

Answer: B. 30 m

Q.29 **Simplify: $[5^{3x} \times (5^2)^{(x-1)}] / 5^{(4x-1)}$**

A. $5^{(x-1)}$ ✓

B. $5^{(1-x)}$

C. $5^{(x-3)}$

D. $5^{(x+1)}$

Answer: A. $5^{(x-1)}$

Q.30 **Sphere A has a radius of 6 cm and Sphere B has a radius of 3 cm. What is the ratio of the surface area of A to that of B?**

A. 4:1 ✓

B. 3:1

C. 2:1

D. 6:1

Answer: A. 4:1

General Awareness

Q.31 **Why were tax incentives provided to foreign investors during the 1991 economic reform period in India?**

A. To promote domestic monopolies

B. To discourage foreign investment

C. To attract foreign investment ✓

D. To increase tax revenue for the government

Answer: C. To attract foreign investment

Q.32 **What does PCB stand for in a Computer System?**

A. Physical Circuit Block

B. Printed Circuit Board ✓

C. Peripheral Circuit Board

D. Programmed Control Board

Answer: B. Printed Circuit Board

Q.33 **Which rules define the process of identification, determination, and remediation of contaminated sites?**

A. Air Quality Standards Rules, 2025

B. Urban Wetland Restoration Rules, 2025

C. Environment Protection (Management of Contaminated Sites) Rules, 2025 ✓

D. Green Industrial Policy Rules, 2025

Answer: C. Environment Protection (Management of Contaminated Sites) Rules, 2025

Q.34 **What is the name of India’s first indigenous CRISPR-based gene therapy for Sickle Cell Disease, launched in November 2025?**

A. GENO-1
B. BIRSA 101 ✓
C. Sickle Cure
D. CRISPR-X

Answer: B. BIRSA 101

Q.35 **The inscriptions of Ashoka and Kharavela were primarily written in which of the following languages?**

A. Sanskrit
B. Pali
C. Bengali
D. Prakrit ✓

Answer: D. Prakrit

Q.36 **The stomach secretes the enzyme pepsin to aid digestion. Pepsin mainly acts on which nutrient?**

A. Carbohydrates
B. Vitamins
C. Fats
D. Proteins ✓

Answer: D. Proteins

Q.37 **In February 2025, which one of the following countries and India signed a declaration to establish a partnership focused on advanced and small modular nuclear reactors?**

A. France ✓
B. Russia
C. Japan
D. United States

Answer: A. France

Q.38 **Which region of Maharashtra is known for iron ore production?**

A. Chandrapur and Bhandara ✓
B. Aurangabad and Jalna
C. Pune and Thane
D. Nagpur and Wardha

Answer: A. Chandrapur and Bhandara

Q.39 **The Kakori train robbery of August 1925 was organised by the:**

A. Ghadr Party working from North America

B. HSRA unit based in Lahore and Delhi

C. Hindustan Republican Association in United Provinces ✓

D. Anushilan Samiti in Bengal and Bihar

Answer: C. Hindustan Republican Association in United Provinces

Q.40 **In Uttar Pradesh, which city's police in December 2025 launched dedicated Closed User Group (CUG) phone numbers, enabling women to directly contact Mission Shakti Centre in-charges at police stations?**

A. Chandigarh

B. Delhi

C. Lucknow ✓

D. Patna

Answer: C. Lucknow

Q.41 **The State Election Commission is responsible for conducting elections to the:**

A. Lok Sabha and Rajya Sabha

B. Panchayats and Municipalities ✓

C. State Assemblies

D. President and Vice-President

Answer: B. Panchayats and Municipalities

Q.42 **Which function of the Operating System deals with allocation of CPU time among different running processes?**

A. Memory Management

B. File Management

C. Process Management ✓

D. Device Management

Answer: C. Process Management

Q.43 **Who among the following is India's first-ever two-time Olympic medallist in an individual event and the first Indian to win a wrestling world championship?**

A. Bajrang Punia

B. Col. Rajyavardhan Singh Rathore

C. Sushil Kumar ✓

D. Geeta Phogat

Answer: C. Sushil Kumar

Q.44 **Chandragupta I strengthened his political position by marrying Princess Kumaradevi of which tribal lineages?**

A. Avanti
B. Panchala
C. Gandhara
D. Lichchhavi ✓

Answer: D. Lichchhavi

Q.45 **Which mode of transport is most suitable for transporting heavy, bulky goods over long distances in India?**

A. Waterways
B. Airways
C. Roadways
D. Railways ✓

Answer: D. Railways

Q.46 **Which Indian Constitutional Amendment Act has inserted the word 'socialist' into the Preamble of the Indian Constitution?**

A. 86th Constitutional Amendment Act
B. 44th Constitutional Amendment Act
C. 38th Constitutional Amendment Act
D. 42nd Constitutional Amendment Act ✓

Answer: D. 42nd Constitutional Amendment Act

Q.47 **In which year was the Planning Commission, later renamed as NITI Aayog, established?**

A. 1950 ✓
B. 1947
C. 1971
D. 1965

Answer: A. 1950

Q.48 **Which Mughal ruler is credited with introducing the Zabti revenue system across major parts of empire?**

A. Aurangzeb
B. Babar
C. Humayun
D. Akbar ✓

Answer: D. Akbar

Q.49 What major engine milestone did ISRO achieve in March 2025?

A. First ion engine test

B. Flight acceptance hot testing of the CE20 ✓

C. Launch of a nuclear-based rocket engine

D. Solar electric propulsion demo

Answer: B. Flight acceptance hot testing of the CE20

Q.50 Frequencies higher than the human audible limit of 20,000 Hz are classified as _____.

A. Tones

B. Supersonic

C. Infrasound

D. Ultrasound ✓

Answer: D. Ultrasound

Q.51 Which national statistical organization is being changed by the Indian government's September 2025 draft bill ahead of its centenary?

A. Ministry of Statistics & Programme Implementation (MoSPI)

B. National Sample Survey Office (NSSO)

C. Central Statistics Office (CSO)

D. Indian Statistical Institute (ISI) ✓

Answer: D. Indian Statistical Institute (ISI)

Q.52 In which state of India are the three crops of rice — called ‘aus,’ ‘aman,’ and ‘boro’ — grown?

A. West Bengal ✓

B. Bihar

C. Manipur

D. Nagaland

Answer: A. West Bengal

Q.53 Which issue acted as the immediate trigger for the uprising that began in 1857?

A. Suspension of military pensions for long-serving Indian sepoys.

B. Mandatory service postings across overseas territories for all regiments.

C. Introduction of the Enfield rifle with cartridges feared to contain animal fat. ✓

D. New rules requiring sepoys to abandon traditional dress and customs.

Answer: C. Introduction of the Enfield rifle with cartridges feared to contain animal fat.

Q.54 **Which Constitutional Amendment Act gave constitutional status to Urban Local Bodies (municipalities)?**

A. 73rd Amendment Act
B. 74th Amendment Act ✓
C. 86th Amendment Act
D. 42nd Amendment Act

Answer: B. 74th Amendment Act

Q.55 **Which pollutant from the following is mainly responsible for the formation of acid rain?**

A. Ozone
B. Carbon monoxide
C. Ammonia
D. Sulphur dioxide ✓

Answer: D. Sulphur dioxide

Q.56 **Which of the following climatic regions has permafrost soil and low vegetation like mosses and lichens?**

A. Aw – Tropical wet and dry climate
B. Cfb – Marine west coast climate
C. ET – Tundra climate ✓
D. BSh – Subtropical steppe climate

Answer: C. ET – Tundra climate

Q.57 **Which of the following correctly describes secondary memory?**

A. Faster and more expensive than main memory
B. Volatile and faster than primary memory
C. Non-volatile and larger in storage capacity ✓
D. Volatile and directly accessed by the CPU

Answer: C. Non-volatile and larger in storage capacity

Q.58 **Which of the following institutions was founded by Mahadev Govind Ranade?**

A. Arya Samaj
B. Brahmo Samaj
C. Widow Remarriage Association ✓
D. Indian National Congress

Answer: C. Widow Remarriage Association

Q.59 **Which software type helps the operating system to manage hardware and provide services to applications?**

A. System software ✓
B. Application software
C. Utility software
D. Driver software

Answer: A. System software

Q.60 **What was the initial corpus of the Rural Infrastructure Development Fund (RIDF) when it was established in 1995-96?**

A. ₹1,000 crore
B. ₹10,000 crore
C. ₹2,000 crore ✓
D. ₹5,000 crore

Answer: C. ₹2,000 crore

Q.61 **Select the correct formula of Aluminium Sulphate.**

A. Al_2SO_4
B. $Al(SO_4)_3$
C. $Al_2(SO_4)_3$ ✓
D. Al_3SO_4

Answer: C. $Al_2(SO_4)_3$

Q.62 **In the CCPI (Climate Change Performance Index) 2025, how is a country's climate performance assessed?**

A. By combining emissions, energy use, and expert-reviewed climate policy data ✓
B. Solely based on renewable energy production statistics
C. Through public opinion surveys and industrial growth trends
D. Only by analyzing national emissions targets and forest cover data

Answer: A. By combining emissions, energy use, and expert-reviewed climate policy data

Q.63 **Which Amendment Act restored the Right to Property as a legal right?**

A. 44th Amendment ✓
B. 42nd Amendment
C. 46th Amendment
D. 48th Amendment

Answer: A. 44th Amendment

Q.64 **Which of the following Union Territories of India was granted legislature through the Government of Union Territories Act, 1963?**

A. Puducherry ✓
B. Andaman & Nicobar
C. Chandigarh
D. Delhi

Answer: A. Puducherry

Q.65 **Which of the following agreements signed between India and Uzbekistan officially came into effect in May 2025, having been signed in September 2024 in Tashkent?**

A. Bilateral Investment Treaty (BIT) ✓
B. Mutual Logistics Support Agreement (MLSA)
C. Double Taxation Avoidance Agreement (DTAA)
D. Comprehensive Economic Partnership Agreement (CEPA)

Answer: A. Bilateral Investment Treaty (BIT)

Q.66 **The structural and functional unit of nature is _____.**

A. Environment
B. Ecology
C. Ecosystem ✓
D. Cell

Answer: C. Ecosystem

Q.67 **Tholpavakoothu, the traditional shadow puppetry performance, originates from which Indian state?**

A. Odisha
B. Kerala ✓
C. Andhra Pradesh
D. West Bengal

Answer: B. Kerala

Q.68 **Hampi, a UNESCO World Heritage Site, was the capital of which empire?**

A. Vijayanagara Empire ✓
B. Maurya Empire
C. Mughal Empire
D. Gupta Empire

Answer: A. Vijayanagara Empire

Q.69 **Provision for 'living wage' and 'decent standard of life' for workers under the Directive Principle of State Policy (DPSP) is contained in which of the following Articles of the Indian Constitution?**

A. Article 42
B. Article 43 ✓
C. Article 41
D. Article 47

Answer: B. Article 43

Q.70 **Which of the following is a correct match of a climate type with its vegetation or features as per Koeppen's scheme of classification of climate?**

A. Aw – Deciduous forests and tree-shredded grasslands ✓
B. Cfa – Cold desert and permafrost
C. BWh – Dense evergreen canopy
D. ET – Tropical rainforest

Answer: A. Aw – Deciduous forests and tree-shredded grasslands

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.**
Statement: All Chickens are Quails. All Quails are Pigeons.
Conclusion (I): No Pigeons are Chickens.
Conclusion (II): Some Pigeons are Chickens.

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

Answer: C. Only conclusion (II) follows

Q.72 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
EIJ 33 GKL 27 IMN 21 KOP 15 ?

A. MQV 8
B. MRQ 9
C. MPQ 8
D. MQR 9 ✓

Answer: D. MQR 9

Q.73 **In a certain code language, ‘jaw bush oven’ is coded as 'ht vq xe' and ‘zebra egg jaw’ is coded as ‘vq db ia’. How is ‘jaw’ coded in the given language?**

A. vq ✓
B. ht
C. xe
D. db

Answer: A. vq

Q.74 **Seven people, J, K, C, D, E, Q and H, are sitting in a row, facing north. Only four people sit to the right of Q. Only two people sit to the right of E. K is the immediate neighbour of J and E. H sits third to the right of D. How many people sit between C and K?**

A. Five
B. Three ✓
C. Two
D. Four

Answer: B. Three

Q.75 **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.**
GFK : JAE
LGP : OBJ3656

A. FNP : IIK
B. GIM : JDH
C. JKH : MGB
D. CLW : FGQ ✓

Answer: D. CLW : FGQ

Q.76 **FR 6 is related to JL 17 in a certain way. In the same way, EU 12 is related to IO 23. To which of the following is SL 3 related, following the same logic?**

A. YT 9
B. WF 14 ✓
C. AK 11
D. OK 17

Answer: B. WF 14

Q.77 **Refer to the given series and answer the question that follows. All numbers are single- digit numbers only. Counting to be done from left to right only.**
(Left) 2 8 7 5 6 9 7 6 8 4 8 2 1 8 2 8 6 8 1 3 1 1 3 (Right)
How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. One
B. Four
C. Three
D. Two ✓

Answer: D. Two

Q.78 **Moksh starts from Point A and drives 21 km towards the south. He then takes a left turn, drives 14 km, turns left and drives 29 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 8 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.)

A. 8 km to the west
B. 7 km to the west
C. 7 km to the east ✓
D. 8 km to the east

Answer: C. 7 km to the east

Q.79 **If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5431786, what will be difference between the highest and lowest digits in the number thus formed?**

A. 6 ✓
B. 8
C. 2
D. 5

Answer: A. 6

Q.80 **Each letter in the word MONKEYS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?**

A. 2 ✓
B. 4
C. 1
D. 5

Answer: A. 2

Q.81 **If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2563174, then how many digits will appear more than once in the new number thus formed?**

A. Two ✓
B. Zero
C. Three
D. One

Answer: A. Two

Q.82 **If '+' means '−', '−' means '×', '×' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?**
17 − 3 ÷ 8 + 21 × 3 = ?

A. 49
B. 52 ✓
C. 50
D. 51

Answer: B. 52

Q.83 **In a certain code language, "WIAO" is coded as "40" and "TNCR" is coded as "47".**
What is the code for "FXAJ" in that given language?

A. 30
B. 33 ✓
C. 39
D. 41

Answer: B. 33

Q.84 **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.)

A. UQ - SP ✓
B. NJ - LH
C. QM - OK
D. WS - UQ

Answer: A. UQ - SP

Q.85 **Seven people, R, B, Y, J, E, F and N, are sitting in a row, facing north. Y sits third from the right end. Only three people sit between B and Y. N is the immediate neighbour of E and J. F sits second to the right of E. How many people sit between R and J?**

A. Five

B. Three

C. Four ✓

D. Two

Answer: C. Four

Q.86 **Anil ranked 27th from the top and 19th from the bottom in his class. How many students are there in his class?**

A. 43

B. 44

C. 45 ✓

D. 46

Answer: C. 45

Q.87 **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?16948**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OH-KM

B. QJ-MO

C. LE-HJ

D. JC-FG ✓

Answer: D. JC-FG

Q.88 **In a row of people all facing the north, Jonny is 24th from the left end. Anuj is 28th from the left end. Anuj is exactly between Jonny and Rishabh. If Rishabh is 16th from the right end of the line, how many people are there in the row?**

A. 45

B. 47 ✓

C. 44

D. 46

Answer: B. 47

Q.89 **In a certain code language,**
A ≤ B means 'A is the son of B'
A ¥ B means 'A is the father of B'
A @ B means 'A is the brother of B'
A - B means 'A is the wife of B'
Based on the above, how is P related to X if 'P - Q @ S ≤ T ¥ X'?

A. Son's wife
B. Father's mother
C. Father's sister
D. Brother's wife ✓

Answer: D. Brother's wife

Q.90 **What should come in place of '?' in the given series?**
23 32 42 53 65 78 ?

A. 90
B. 85
C. 87
D. 92 ✓

Answer: D. 92

Q.91 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
ICX 9, LFZ 16, OIB 25, RLD 36, ?

A. VOJ 48
B. UPI 48
C. VPJ 49
D. UOF 49 ✓

Answer: D. UOF 49

Q.92 **In a certain code language,**
A x 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, how is C related to M if 'C ₹ D ≠ E ÷ L x M'?

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

Answer: B. Sister's daughter

Q.93 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(5, 120, 12)
(3, 84, 14)

A. (7, 155, 11)
B. (2, 78, 13)
C. (4, 150, 19)
D. (6, 216, 18) ✓

Answer: D. (6, 216, 18)

Q.94 **Each letter in the word JUMBLED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is first from the right in the new letter cluster thus formed?**

A. 9
B. 11
C. 13
D. 10 ✓

Answer: D. 10

Q.95 **What should come in place of '?' in the given series?**
65 ? 24 15 11 10

A. 38
B. 40 ✓
C. 42
D. 44

Answer: B. 40

Q.96 **What should come in place of the question mark (?) in the given series to make it logically complete?**
MV7 PT13 RR19 ?

A. TR27
B. TP25
C. SP25 ✓
D. TQ26

Answer: C. SP25

Q.97 **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.)

A. NPS
B. HJL ✓
C. EGJ
D. QSV

Answer: B. HJL

Q.98 **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 carpets are shoes.
All paintings are shoes.
Conclusions:
(I) Some carpets are paintings.
(II) Some shoes are paintings.

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

Answer: D. Only conclusion (II) follows

Q.99 **Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between C and G. Only F is kept above B. No box is kept below G. E is kept at some place below A but at some place above D. How many boxes are kept between F and D?**

A. 3
B. 1
C. 4 ✓
D. 2

Answer: C. 4

Q.100 **SMAL is related to VQFR in a certain way based on the English alphabetical order. In the same way, ECUJ is related to HGZP. To which of the following options is NOJB related, following the same logic?**

A. QSIO

B. QOSH

C. QSHO

D. QSOH ✓

Answer: D. QSOH