RRB NTPC Under Graduate CBT 1 – Question Paper with Answers

CEN 07/2025 · NTPC Under Graduate Level · Test date: 7 May 2026 · 9:00–10:30 AM · 100 questions · +1 correct, −1/3 wrong

Mathematics

Q.1 **A dealer sells a product at 15% profit. If he had bought it at 10% less and sold it for ₹126 less, he would have gained 20%. Find the cost price.**

A. ₹1,400
B. ₹1,800 ✓
C. ₹2,000
D. ₹1,200

Answer: B. ₹1,800

Q.2 **Three numbers are in the ratio 4 : 13 : 9, and their LCM is 6084. Their HCF is:**

A. 23
B. 13 ✓
C. 12
D. 48

Answer: B. 13

Q.3 **The present age of a man is 4 years more than twice the present age of his son. After 6 years, the sum of their ages will be 58 years. What is the present age of the son?**

A. 10 years
B. 11 years
C. 14 years ✓
D. 9 years

Answer: C. 14 years

Q.4 **What sum (in ₹) will earn a simple interest of ₹1,320 in 3 years at 20% per year rate of interest?**

A. 4,400
B. 2,200 ✓
C. 1,100
D. 792

Answer: B. 2,200

Q.5 **If a triangle has sides a, b, c, and fixed sum a + b + c = 18, then the maximum possible area (in cm²) of the triangle is**

A. 6√3
B. 3√3
C. 9√3 ✓
D. 12√3

Answer: C. 9√3

Q.6 **A fruit seller sold mangoes at ₹600 per box last month. This month, he first increased the price by 10% due to transportation costs and then offered a discount of 15% on the increased price. What is the final price of one box of mangoes?**

A. ₹571
B. ₹541
C. ₹561 ✓
D. ₹551

Answer: C. ₹561

Q.7 **A train of length 180 meters is running at a speed of 72 km/h. How much time will it take to cross a bridge 350 meters long?**

A. 26.5 seconds ✓
B. 24.5 seconds
C. 23.5 seconds
D. 27.5 seconds

Answer: A. 26.5 seconds

Q.8 **The sum of two positive numbers is 27 and their product is 170. The positive difference between them is:**

A. 7 ✓
B. 12
C. 19
D. 2

Answer: A. 7

Q.9 **A streaming service charges ₹150 per month. If you buy an annual plan (12 months) with a 15% discount, what is your total savings (in ₹) compared to paying monthly for a year?**

A. 180
B. 300
C. 240
D. 270 ✓

Answer: D. 270

Q.10 **If the interest on a sum of ₹y at 10% per annum compounded annually for 2 years is ₹462, then the total amount payable at the end of the two-year period will be _____.**

A. ₹2,762
B. ₹2,962
C. ₹2,662 ✓
D. ₹2,862

Answer: C. ₹2,662

Q.11 **Find the diameter of a sphere of surface area 28962 cm². (round off to the closest integer)**

A. 108 cm
B. 48 cm
C. 98 cm
D. 96 cm ✓

Answer: D. 96 cm

Q.12 **The value of a machine depreciates by 10% every year. What is the total percentage depreciation after 2 years?**

A. 21%
B. 20%
C. 19% ✓
D. 22%

Answer: C. 19%

Q.13 **A shopkeeper offers the following schemes on toys of the same marked price.**
(A) Successive discounts of 16% and 29% on any number of toys bought.
(B) Successive discounts of 4%, 34% and 37% on any number of toys bought.
(C) 12% discount on the first 4 toys and 27% discount on each toy thereon.
(D) 4 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. B
B. C ✓
C. A
D. D

Answer: B. C

Q.14 **Pipes X, Y, and Z together can fill a tank in 8 hours. If all three work together for 3 hours, and then pipe Z is closed, the remaining tank is filled by X and Y in 10 hours. In how many hours can pipe Z alone fill the empty tank?**

A. 18
B. 16 ✓
C. 32
D. 24

Answer: B. 16

Q.15 **Two bells are rung at intervals of 1,764 seconds and 2,268 seconds, respectively. They are rung together at the start. After how much time will the two bells ring together again for the first time?**

A. 4 hours 24 minutes 36 seconds ✓
B. 4 hours 36 minutes 24 seconds
C. 4 hours 18 minutes 12 seconds
D. 4 hours 12 minutes 18 seconds

Answer: A. 4 hours 24 minutes 36 seconds

Q.16 **Two taps can fill a cistern in 2 hours and 37 hours, respectively. A third tap can empty it in 37 hours. How long (in hours) will it take to fill half of the empty cistern if all the taps are opened together?**

A. 3
B. 1 ✓
C. 2
D. 4

Answer: B. 1

Q.17 **The ratio of two numbers is 3 : 5. If 6 is subtracted from each, the resulting numbers are in the ratio 1 : 2. Find the difference between the two original numbers.**

A. 14
B. 16
C. 10
D. 12 ✓

Answer: D. 12

Q.18 **If a two-digit number has a digit sum of 9 and adding 27 reverses its digits, determine the unit digit of the number.**

A. 3
B. 5
C. 4
D. 6 ✓

Answer: D. 6

Q.19 **Simplify the following expression using the BODMAS rule:**
3/4 + (5/6 × 9/10) − 2/3

A. 3/5
B. 6/5
C. 13/5
D. 5/6 ✓

Answer: D. 5/6

Q.20 **The arithmetic mean of the first 15 numbers is 82. The mean is reduced by 6 when one of the numbers is removed. Find the number that is excluded?**

A. 142
B. 100
C. 166 ✓
D. 164

Answer: C. 166

Q.21 **The perimeter of a rhombus is 100 meters and one of its diagonals is 14 meters long.**
What is the length of the other diagonal?

A. 48 meters ✓
B. 40 meters
C. 42 meters
D. 50 meters

Answer: A. 48 meters

Q.22 **Which of the ratios given below is the greatest among them?**

A. 5 : 8
B. 3 : 5
C. 7 : 11 ✓
D. 4 : 7

Answer: C. 7 : 11

Q.23 **If $4\sin\theta + \operatorname{cosec}\theta = 4$, $0° < \theta < 90°$, then the value of $\sin^3\theta + \cos^3\theta$ is**

A. -1

B. 0

C. 1 ✓

D. 2

Answer: C. 1

Q.24 **In a class, the average score of 8 boys is 56 and the average score of 4 girls is 80. What is the average score of all 12 students?**

A. 62

B. 66

C. 68

D. 64 ✓

Answer: D. 64

Q.25 **The 7-digit number 46A484B is divisible by 24. What is the minimum value of (A + B)?**

A. 6

B. 3

C. 1 ✓

D. 4

Answer: C. 1

Q.26 **Simplify: {12/33 ÷ 12/2} ÷ (3/7 × 14/9 + 3/11) + 2/8 ÷ 31/25 of 25/8**

A. 4/31 ✓

B. 5/36

C. 7/38

D. 5/24

Answer: A. 4/31

Q.27 **Sunil purchased a microwave oven for ₹7,000. He spent ₹400 on its transportation and ₹600 on repairs. He sold the oven for ₹9,800. What is his percentage profit on total investment?**

A. 22.5% ✓

B. 23.5%

C. 20.5%

D. 21.5%

Answer: A. 22.5%

Q.28 **A and B invest in a business in the ratio 5 : 7. After 4 months, C joins the business with an investment equal to the amount invested by A. At the end of one year, the total profit is ₹92,000. Find the sum (in ₹) of the shares of partners B and C.**

A. ₹66,800
B. ₹49,600
C. ₹62,000 ✓
D. ₹64,400

Answer: C. ₹62,000

Q.29 **Which of the following numbers is completely divisible by 6?**

A. 5,47,821
B. 7,53,216 ✓
C. 8,91,452
D. 6,42,538

Answer: B. 7,53,216

Q.30 **A person walks from point P to Q at 5 km/hr and returns from Q to P along the same route jogging at 10 km/hr. If the total time taken is 3 hours, what is the distance between P and Q?**

A. 10 km ✓
B. 5 km
C. 15 km
D. 20 km

Answer: A. 10 km

General Awareness

Q.31 **By which Amendment Act were the words ‘socialist’, ‘secular’, and ‘integrity’ added to the Preamble of the Indian Constitution?**

A. 42nd Amendment Act ✓
B. 52nd Amendment Act
C. 32nd Amendment Act
D. 62nd Amendment Act

Answer: A. 42nd Amendment Act

Q.32 **Who presided over the National Level Conclave of Ministers of States/UTs for Minority Welfare held on 13 September 2025, at Vanijya Bhawan, New Delhi?**

A. George Kurian
B. Md. Zama Khan
C. Kiren Rijiju ✓
D. Om Prakash Rajbhar

Answer: C. Kiren Rijiju

Q.33 **Where does the Indian Prime Minister hoist the national flag on the occasion of Independence Day?**

A. Qutb Minar
B. Red Fort ✓
C. Jantar Mantar
D. India Gate

Answer: B. Red Fort

Q.34 **In which state of India did Pattachitra paintings originate?**

A. Odisha ✓
B. Bihar
C. Punjab
D. Rajasthan

Answer: A. Odisha

Q.35 **Which factor most directly contributed to the emergence of the Sanyasi–Fakir rebellion in Bengal?**

A. Increased protection from British officials improved rural living conditions.
B. Expansion of irrigated farming reduced dependence on religious leaders.
C. Stable land rights allowed peasants to negotiate with revenue contractors.
D. Forced taxation and famine pushed dispossessed peasants into rebel groups. ✓

Answer: D. Forced taxation and famine pushed dispossessed peasants into rebel groups.

Q.36 **During the electrolysis of water, hydrogen and oxygen are released in which ratio?**

A. 4:1
B. 1:1
C. 3:1
D. 2:1 ✓

Answer: D. 2:1

Q.37 **Which of the following sites contains prehistoric paintings ranging from the Mesolithic to the historic period?**

A. Hampi
B. Nalanda
C. Pattadakal
D. Bhimbetka ✓

Answer: D. Bhimbetka

Q.38 **The Vindhyachal Super Thermal Power Station is located in _____.**

A. Madhya Pradesh ✓
B. Gujarat
C. Chhattisgarh
D. Rajasthan

Answer: A. Madhya Pradesh

Q.39 **When did Ladakh become a union territory of India?**

A. 2020
B. 2019 ✓
C. 2021
D. 2017

Answer: B. 2019

Q.40 **Which Article of the Indian Constitution provides for the Constitution of municipalities?**

A. Article 243S
B. Article 243R
C. Article 243P
D. Article 243Q ✓

Answer: D. Article 243Q

Q.41 **How does increasing the Amplitude of a sound wave affect the sound produced?**

A. The loudness increases ✓
B. The pitch increases
C. The frequency decreases
D. The speed of the sound increases

Answer: A. The loudness increases

Q.42 **Which Indian actor was honored with the ‘Master Humor Award’ at the Macau International Comedy Festival 2025 held in China?**

A. Hrithik Roshan

B. Aamir Khan ✓

C. Ram Charan

D. Akshay Kumar

Answer: B. Aamir Khan

Q.43 **Extended ASCII, an 8-bit evolution of the original 7-bit ASCII standard, supports international text by expanding the character set. How many total codes does it provide?**

A. 512 codes for voice recordings

B. 1024 codes for video compression

C. 128 codes limited to English letters

D. 256 codes including accented characters ✓

Answer: D. 256 codes including accented characters

Q.44 **In the Windows 11 File System, a file named mydriver.sys is found in the C:\Windows\System32\drivers folder. Based on its file extension and location, which of the following best describes the purpose and classification of this file?**

A. It is an Application Data File used for temporary user settings and can be safely deleted to free up disk space.

B. It is a System Driver File that allows the operating system to communicate with a specific hardware component. ✓

C. It is a System Configuration File that holds graphical settings and can be edited with a standard text editor.

D. It is an Operating System Log File that records system events and is only read by the Task Manager.

Answer: B. It is a System Driver File that allows the operating system to communicate with a specific hardware component.

Q.45 **Which institution was founded by Prasanta Chandra Mahalanobis?**

A. Indian Economic Forum

B. Indian Statistical Institute ✓

C. Planning Commission

D. Reserve Bank of India

Answer: B. Indian Statistical Institute

Q.46 **Which of the following services is a core component of the tourism industry?**

A. Banking

B. Hospitality ✓

C. Teaching

D. Insurance

Answer: B. Hospitality

Q.47 **What was the Dual Government system introduced after the Battle of Buxar?**

A. A system where the Company collected revenue, and Nawab handled administration ✓

B. A system where the French and British shared governance

C. A system where the Nawab collected revenue and the Company maintained the army

D. A system where the British ruled directly

Answer: A. A system where the Company collected revenue, and Nawab handled administration

Q.48 **The Mansabdari System, introduced by Akbar in 1571, was mainly a system of _____.**

A. Land Revenue Collection

B. Judicial Reforms

C. Military Administration ✓

D. Religious Reformation

Answer: C. Military Administration

Q.49 **Which academic institution was responsible for designing the IRIS chip based on the SHAKTI microprocessor, India's push for self-reliance in semiconductor technology, in February 2025?**

A. IIT Madras ✓

B. IIT Delhi

C. NIT Trichy

D. IISc Bangalore

Answer: A. IIT Madras

Q.50 **Which football player was named the Professional Footballers' Association (PFA) Player of the Year in August 2025, becoming the first player to win the award three times?**

A. Casemiro
B. Lionel Messi
C. Mohamed Salah ✓
D. Neymar

Answer: C. Mohamed Salah

Q.51 **In November 2025, PM Modi chaired the 60th All India Conference of Directors General and Inspectors General of Police in which city of Chhattisgarh?**

A. Bilaspur
B. Raipur ✓
C. Korba
D. Bhilai

Answer: B. Raipur

Q.52 **Which of the following is NOT a characteristic of tertiary services?**

A. Directly processes natural resources ✓
B. Often located in urban areas
C. Includes tourism, banking, and trade
D. Involves face-to-face or remote interaction

Answer: A. Directly processes natural resources

Q.53 **Which of the following belts of the Northern Plains consists of porous rocky soil where stream water seeps underground?**

A. Delta belt
B. Bhabar belt ✓
C. Terai belt
D. Khadar belt

Answer: B. Bhabar belt

Q.54 **Which wildlife sanctuary is set to host its inaugural female cheetah (Dheera) as part of a breeding/translocation initiative in 2025?**

A. Kuno National Park
B. Gandhi Sagar Wildlife Sanctuary ✓
C. Gir Wildlife Sanctuary
D. Ranthambore National Park

Answer: B. Gandhi Sagar Wildlife Sanctuary

Q.55 **Which statement is True or False about the Windows 11 Operating System (OS)?**
(i) The OS loads program code directly onto the hard disk for execution, as the CPU can only execute code from permanent storage.
(ii) For multitasking, the OS allocates small CPU time slices to processes, rapidly switching between them, a technique known as Time-Sharing.

A. (i) True, (ii) False
B. (i) False, (ii) False
C. (i) True, (ii) True
D. (i) False, (ii) True ✓

Answer: D. (i) False, (ii) True

Q.56 **Which of the following indicators is NOT a component of the Human Development Index (HDI)?**

A. Poverty line ratio ✓
B. Education index
C. Life expectancy
D. Gross National Income per capita

Answer: A. Poverty line ratio

Q.57 **Which of the following is a fat-soluble vitamin that helps in promotion of calcium absorption in the gut for bone health?**

A. Vitamin D ✓
B. Vitamin A
C. Vitamin B
D. Vitamin C

Answer: A. Vitamin D

Q.58 **Which of the following was the first international agreement to establish legally binding emission reduction targets specifically for developed countries?**

A. Kyoto Protocol ✓
B. Rio Declaration
C. Paris Agreement
D. Basel Convention

Answer: A. Kyoto Protocol

Q.59 **In which country was the International Conference on 'Reimagining Existence:**
Emerging Perspectives in World Literature and Language' held in March 2025?

A. India ✓
B. Italy
C. China
D. Russia

Answer: A. India

Q.60 **Which of the following correctly differentiates system software from application software?**

A. Application software loads the operating system; system software performs user tasks
B. Both perform the same functions
C. System software manages hardware; application software performs user tasks ✓
D. System software performs user tasks; application software controls hardware

Answer: C. System software manages hardware; application software performs user tasks

Q.61 **Under which Article of the Indian Constitution may the President of India proclaim President's Rule when Constitutional machinery fails in a state?**

A. Article 350
B. Article 249
C. Article 356 ✓
D. Article 355

Answer: C. Article 356

Q.62 **Which of the following optical properties of light enables sunglasses to reduce glare from sunlight reflected off surfaces such as water or roads?**

A. Refraction
B. Diffraction
C. Interference
D. Polarization ✓

Answer: D. Polarization

Q.63 **Which type of natural vegetation covers the largest geographical area in India?**

A. Mountain vegetation
B. Tidal mangrove vegetation
C. Tropical Deciduous vegetation ✓
D. Dry Tropical Thorn vegetation

Answer: C. Tropical Deciduous vegetation

Q.64 **In which year did FEMA replace FERA?**

A. 1990
B. 1998
C. 1994
D. 1999 ✓

Answer: D. 1999

Q.65 **With which country did the United Kingdom (UK) sign the Kensington Treaty, the first treaty between the two countries since the Second World War, in July 2025?**

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

Answer: C. Germany

Q.66 **Which of the following baskets of the Buddhist Tipitaka contains monastic rules?**

A. Jataka Pitaka
B. Sutta Pitaka
C. Abhidhamma Pitaka
D. Vinaya Pitaka ✓

Answer: D. Vinaya Pitaka

Q.67 **Consider the following statements regarding the provincial administration in the Mughal period and select the correct option.**
Statement I: Each Suba was placed under a Subedar or provincial governor who was directly appointed by the Emperor.
Statement II: Daroga-i-Dak was responsible for maintaining the communication channel.

A. Both statements I and II are incorrect.
B. Statement I is incorrect, while statement II is correct.
C. Both statements I and II are correct. ✓
D. Statement I is correct, while statement II is incorrect.

Answer: C. Both statements I and II are correct.

Q.68 **Which of the following Union Territories has a Legislative Assembly?**

A. Lakshadweep
B. Ladakh
C. National Capital Territory of Delhi ✓
D. Andaman and Nicobar Islands

Answer: C. National Capital Territory of Delhi

Q.69 **Which Amendment restored the primacy of Fundamental Rights over Directive Principles?**

A. 44th Amendment ✓
B. 42nd Amendment
C. 74th Amendment
D. 84th Amendment

Answer: A. 44th Amendment

Q.70 **Who among the following led the large-scale armed attack on the Chittagong armoury in April 1930?**

A. Surya Sen ✓
B. Chandrasekhar Azad
C. Jatin Das
D. Bhagat Singh

Answer: A. Surya Sen

General Intelligence and Reasoning

Q.71 **Refer to the following series and answer the question. (Counting to be done from left to right only.) (all numbers are single digit numbers only.)**
(Left) 9 2 3 1 4 5 6 8 5 4 3 2 1 9 3 4 5 6 7 8 1 2 9 8 3 4 5 2 6 8 2 (Right)
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

A. Three
B. More than three ✓
C. Two
D. One

Answer: B. More than three

Q.72 **Amit starts from Point Y and drives 14 km towards South. He then turns left and drives 35 km, takes a left and drives 68 km. He then takes a left turn and drives 41 km. He takes a left turn, drives 54 km, turns right and drives 53 km to stop at Point Z. How far**
(shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

A. 57 km towards east
B. 56 km towards west
C. 61 km towards west
D. 59 km towards east ✓

Answer: D. 59 km towards east

Q.73 **What should come in place of ? in the given series based on the English alphabetical order?**
SQU TRV USW VTX ?

A. WVX
B. WUY ✓
C. WXZ
D. WTX

Answer: B. WUY

Q.74 **If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 5973642, then what will be the sum of all the even digits in the new number thus formed?**

A. 24
B. 20
C. 16
D. 18 ✓

Answer: D. 18

Q.75 **John ranked 16th from the bottom and 29th from the top in his class. How many students are there in his class?**

A. 43
B. 41
C. 44 ✓
D. 42

Answer: C. 44

Q.76 **What will come in place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '−' and '×' are interchanged?**
603 + 9 × 18 − 6 ÷ 56 = ?

A. 11
B. 20
C. 16
D. 15 ✓

Answer: D. 15

Q.77 **In a certain code language, 'NORM' is coded as '7341' and 'ROME' is coded as '3748'.**
What is the code for 'E' in the given code language?

A. 4
B. 7
C. 3
D. 8 ✓

Answer: D. 8

Q.78 **Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons working in an organization. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.) [Venn diagram of three circles — Employees, Male, German Speakers: Employees only = 54; Employees & Male only = 25; Male only = 43; all three = 17; Employees & German Speakers only = 28; Male & German Speakers only = 26; German Speakers only = 15] How many such employees are there who also speak German?**

A. 43
B. 45 ✓
C. 41
D. 28

Answer: B. 45

Q.79 **Each letter in the word LANGUID 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. 7
B. 5
C. 4 ✓
D. 3

Answer: C. 4

Q.80 **Seven people, Mayank, Nidhi, Palak, Rakesh, Surya, Tina and Vivek, are sitting in a row, facing north. Only two people sit to the right of Rakesh. Nidhi sits to the immediate left of Vivek and Vivek sits third to the left of Rakesh. Palak sits third to the right of Tina, but Palak does not sit at any extreme ends. Rakesh is not an immediate neighbour of Mayank. How many people sit between Tina and Vivek?**

A. Three
B. One
C. None ✓
D. Two

Answer: C. None

Q.81 **AEHB is related to FJMG in a certain way based on the English alphabetical order. In the same way, DHKE is related to IMPJ. To which of the following is GKNH related, following the same logic?**

A. LPSM ✓
B. PLMS
C. PLSM
D. LPMS

Answer: A. LPSM

Q.82 **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. RO-VT
B. LI-PN
C. PM-TR
D. NK-RO ✓

Answer: D. NK-RO

Q.83 **Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and G. E is kept at one of the positions below A. Only D is kept between G and F. C is kept at one of the positions above G. How many boxes are kept between B and E?**

A. 1 ✓

B. 2

C. 4

D. 3

Answer: A. 1

Q.84 **Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.**
You have to decide which conclusions logically follow/s from the given statements.
Statements: All cakes are biscuits. All pizzas are biscuits.
Conclusion (I) : Some cakes are pizzas
Conclusion (II) : Some biscuits are pizzas

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.85 **Uvx ranked 14th from the top and 79th from the bottom in his class. How many students are there in his class?**

A. 93

B. 92 ✓

C. 90

D. 91

Answer: B. 92

Q.86 **In a certain code language, ‘chest shirt coal’ is coded as 'ym aw xu' and ‘coal lake pig’ is coded as ‘aw yh ky’. How is ‘coal’ coded in the given language?**

A. ym

B. aw ✓

C. yh

D. xu

Answer: B. aw

Q.87 **In a certain code language,**
A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.
Based on the above, how is S related to K if 'S + D ÷ F x H – K'?

A. Brother's wife's father
B. Wife's brother
C. Wife's father
D. Brother's wife's brother ✓

Answer: D. Brother's wife's brother

Q.88 **KH 13 is related to ID 2 in a certain way. In the same way, LO 9 is related to JK −2. To which of the following is LJ 7 related, following the same logic?**

A. JG −6
B. KF −4
C. KG −6
D. JF −4 ✓

Answer: D. JF −4

Q.89 **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. RP−NL
B. LJ−HF
C. OM−KI
D. EC−ZA ✓

Answer: D. EC−ZA

Q.90 **Each vowel in the word TRAJECTORIES is changed to the second letter immediately following it in the English alphabetical order, and each consonant is changed to the second letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?**

A. Two
B. One
C. Three
D. Four ✓

Answer: D. Four

Q.91 **R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.**
Only two people sit between N and R when counted from the left of R. G sits third to the left of A. D sits to the immediate right of A. D sits second to the left of N. I is not an immediate neighbor of G.
Who sits third to the right of E?

A. D ✓
B. A
C. R
D. G

Answer: A. D

Q.92 **P is the daughter of Q. Q is the wife of S. T is the mother of X. T is the sister of S. How is T related to P?**

A. Sister
B. Father's sister ✓
C. Husband's sister
D. Mother

Answer: B. Father's sister

Q.93 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the 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. MJP
B. JGM
C. URY ✓
D. QNT

Answer: C. URY

Q.94 **Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?**
G 5, M 12, S 19, Y 26, ?

A. D 33
B. J 33
C. A 33
D. E 33 ✓

Answer: D. E 33

Q.95 **Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?**
MCK 10, PFN 13, SIQ 16, VLT 19, ?

A. YOW 22 ✓
B. XPW 24
C. XOV 22
D. YPV 22

Answer: A. YOW 22

Q.96 **If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?**
92 - 8 ÷ 311 + 715 × 11 = ?

A. 965
B. 975
C. 982 ✓
D. 998

Answer: C. 982

Q.97 **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.) 8 - 3 - 24 5 - 8 - 40

A. 4 - 8 - 43
B. 14 - 6 - 34
C. 2 - 9 - 15
D. 4 - 9 - 36 ✓

Answer: D. 4 - 9 - 36

Q.98 **GECD is related to CAYZ in a certain way based on the English alphabetical order. In the same way, AYWX is related to WUST. To which of the following is USQR related, following the same logic?**

A. QNLN
B. QOLN
C. QPLR
D. QOMN ✓

Answer: D. QOMN

Q.99 **What should come in place of the '?' in the given series?**
5 14 41 122 ?

A. 365 ✓
B. 361
C. 381
D. 368

Answer: A. 365

Q.100 **What should come in place of the '?' in the given series?**
13 19 31 55 103 ?

A. 199 ✓
B. 203
C. 190
D. 195

Answer: A. 199