# RRB NTPC Under Graduate CBT 1 – Question Paper with Answers

CEN 07/2025 · NTPC Under Graduate Level · Test date: 14 June 2026 · 4:30–6:00 PM · 100 questions · +1 correct, −1/3 wrong

## Mathematics

**Q.1** **Two friends, P and Q, started a business by investing ₹2,300 and ₹4,600, respectively. At the end of one year, the business earned a total profit of ₹37,272. What is the share (in ₹) of P in the profit?**

**A. 12,424** ✓
**B.** 12,274
**C.** 12,524
**D.** 12,374

Answer: A. 12,424

**Q.2** **The sides of a rectangular field are 77 m and 98 m long. Its area is equal to the area of a circular field. What is the perimeter (in m) of the circular field?**
**(Take )**

**A.** 304
**B. 308** ✓
**C.** 353
**D.** 330

Answer: B. 308

**Q.3** **A car travels from Gwalior to Jhansi at 60 km/hr and returns at 80 km/hr. If the total travel time is 3.5 hours, what is the one-way distance?**

**A.** 125 km
**B. 120 km** ✓
**C.** 112 km
**D.** 110 km

Answer: B. 120 km

**Q.4** **A certain sum amounts to ₹5,200 in 2 years and ₹6,400 in 4 years at simple interest.**
**What is the rate of interest per annum?**

**A.** 10 percent
**B.** 12 percent
**C.** 18 percent
**D. 15 percent** ✓

Answer: D. 15 percent

**Q.5** **The sum of the ages of two siblings is 28 years and the difference of their ages is 8 years. What is the present age of the elder sibling?**

**A.** 20 years
**B.** 14 years
**C. 18 years** ✓
**D.** 16 years

Answer: C. 18 years

**Q.6** **A and B can do a piece of work in 12 days and 24 days, respectively. Both work for 2 days and then A leaves. How long (in days) will B take to complete the remaining work?**

**A.** 17
**B.** 19
**C.** 20
**D. 18** ✓

Answer: D. 18

**Q.7** **The sum of two positive numbers is 40 and their product is 175. The positive difference between them is:**

**A.** 32
**B.** 36
**C.** 34
**D. 30** ✓

Answer: D. 30

**Q.8** **At what annual interest rate will a principal amount of ₹1,000 become ₹1,728 in a period of 1 year and 6 months, assuming that the interest is compounded semi-annually?**

**A.** 41%
**B. 40%** ✓
**C.** 35%
**D.** 32%

Answer: B. 40%

**Q.9** **The largest four-digit number which when divided by 12, 8 and 11 leaves the remainder 3 in each case, is:**

**A.** 9928
**B. 9771** ✓
**C.** 9821
**D.** 9535

Answer: B. 9771

**Q.10** **Four identical cubes are placed one after another and the length of the cuboid so formed is 256 cm. Find the volume of a single cube.**

**A.** 265144 $cm^3$
**B.** 262154 $cm^3$
**C.** 362144 $cm^3$
**D. 262144 $cm^3$** ✓

Answer: D. 262144 $cm^3$

**Q.11** **Two trains are moving in opposite directions at speeds of 8 m/s and 10 m/s. If they completely pass each other in 8 seconds, find the combined length of both trains.**

**A.** 156 meters
**B.** 150 meters
**C.** 152 meters
**D. 144 meters** ✓

Answer: D. 144 meters

**Q.12** **If the fourth proportional to 5, 15, and 25 is k, then find k.**

**A.** k = 60
**B. k = 75** ✓
**C.** k = 90
**D.** k = 125

Answer: B. k = 75

**Q.13** **In a triangle, the ratio of three angles is 3 : 3 : 4. Find the measure of the largest angle.**

**A.** 84°
**B. 72°** ✓
**C.** 62°
**D.** 40°

Answer: B. 72°

**Q.14** **The average of 8 numbers is 45. If each number is decreased by 3, what will the new average be?**

**A. 42** ✓
**B.** 8
**C.** 39
**D.** 45

Answer: A. 42

**Q.15** **Find the greatest number that divides 75, 105 and 150 exactly.**

**A.** 10
**B.** 25
**C.** 5
**D. 15** ✓

Answer: D. 15

**Q.16** **A team of 3 workers, P, Q, and R, is assigned to paint a large wall. P alone can finish the work in 14 days, Q alone in 21 days, and R alone in 42 days. If they start together but P leaves after 4 days, and the remaining work is completed by Q and R together, in how many total days is the wall completely painted?**

**A. 10 days** ✓
**B.** 9 days
**C.** 11 days
**D.** 12 days

Answer: A. 10 days

**Q.17** **A shopkeeper fixes the marked price of an item 150% above its cost price. What percentage of discount on marked price should be allowed to gain 110%?**

**A.** 17%
**B. 16%** ✓
**C.** 14%
**D.** 15%

Answer: B. 16%

**Q.18** **A ladder of length 8 m is placed against a vertical wall, making an angle of 60° with the ground. How high does the ladder reach up the wall?**

**A. 4√3 m** ✓
**B.** 6√3 m
**C.** 3√3 m
**D.** 5√3 m

Answer: A. 4√3 m

**Q.19** **Which of the following pairs of numbers is co-prime?**

**A) (15, 25)**
**B) (14, 35)**
**C) (9, 28)**
**D) (21, 49)**

**A.** B
**B. C** ✓
**C.** D
**D.** A

Answer: B. C

**Q.20** **Three positive integers a, b, and c satisfy the following conditions: (i) a and b are coprime, (ii) b and c are coprime, (iii) a and c are not coprime, (iv) abc = 360. The minimum possible value of a + b + c is:**

**A.** 95
**B.** 27
**C. 23** ✓
**D.** 33

Answer: C. 23

**Q.21** **The average of 6.5, 10.8, 20 and a is 13. The value of a is:**

**A.** 15.7
**B.** 16.7
**C. 14.7** ✓
**D.** 13.7

Answer: C. 14.7

**Q.22** **If $3^x - 3^{x-1} = 18$, then the value of $(2x - 1)/(2x + 3)$ is:**

**A.** 5/13
**B.** 5/6
**C.** 5/12
**D. 5/9** ✓

Answer: D. 5/9

**Q.23** **If 45% of a number exceeds 20% of it by 30, then the number is:**

**A.** 140
**B.** 100
**C. 120** ✓
**D.** 160

Answer: C. 120

**Q.24** **A product with marked price ₹3,000 is sold with successive discounts of 15% and 25%.**
**What is the final selling price after these two discounts?**

**A.** ₹1,936.50
**B.** ₹1,872
**C. ₹1,912.50** ✓
**D.** ₹1,896

Answer: C. ₹1,912.50

**Q.25** **Two articles are sold at the same selling price. On one article, the trader makes a 25% profit, and on the other, he incurs a 25% loss. What is the overall percentage loss?**

**A.** 7.25%
**B. 6.25%** ✓
**C.** 5.25%
**D.** 8.25%

Answer: B. 6.25%

**Q.26** **A merchant marks his products 30% above the cost price and provides a 10% discount on the marked price. What percent profit does he earn?**

**A. 17%** ✓
**B.** 15%
**C.** 16%
**D.** 18%

Answer: A. 17%

**Q.27** **The sum of two numbers is 54. If three times the smaller number exceeds twice the larger number by 6, find the difference between the two numbers.**

**A. 8.4** ✓
**B.** 7.6
**C.** 6.6
**D.** 7.2

Answer: A. 8.4

**Q.28** **The price of an article is first increased by 30% and then decreased by 20%. Due to these successive changes, the final price becomes ₹40 more than the original price.**
**What is the original price of the article?**

**A. ₹1,000** ✓
**B.** ₹1,200
**C.** ₹1,100
**D.** ₹900

Answer: A. ₹1,000

**Q.29** **Find the third proportional to 240 and 120.**

**A.** 40
**B.** 50
**C. 60** ✓
**D.** 80

Answer: C. 60

**Q.30** **The value of [27^(2/3) · 9^(−1/2)] / [3⁻¹ · 81^(1/4)] is**

**A.** 1
**B. 3** ✓
**C.** 6
**D.** 9

Answer: B. 3

## General Awareness

**Q.31** **Which practice supports sustainable agriculture by maintaining soil health?**

**A.** Deforestation
**B.** Excessive chemical fertilisers
**C. Crop rotation** ✓
**D.** Monoculture farming

Answer: C. Crop rotation

**Q.32** **Joint Sitting of both the houses of the Parliament is summoned by:**

**A.** Speaker of Lok Sabha
**B.** Prime Minister of India
**C.** Chairman Rajya Sabha
**D. President of India** ✓

Answer: D. President of India

**Q.33** **Which of the following teams won the Vijay Hazare Trophy in 2024-25?**

**A.** Mumbai

**B.** Saurashtra

**C. Karnataka** ✓

**D.** Tamil Nadu

Answer: C. Karnataka

**Q.34** **What percentage of all detected trafficking victims in 2022 were children, as per the Global Report on Trafficking in Persons 2024?**

**A.** 45%

**B.** 31%

**C. 38%** ✓

**D.** 20%

Answer: C. 38%

**Q.35** **Which of the following is a characteristic feature of the gaseous state of matter?**

**A.** High rigidity and fixed volume

**B.** Definite volume but no definite shape

**C. Negligible intermolecular forces and high compressibility** ✓

**D.** Strong intermolecular forces and fixed shape

Answer: C. Negligible intermolecular forces and high compressibility

**Q.36** **Who among the following dancers received the 'Abhinandan Saroja National Award, 2021' from the National Institute of Indian Classical Dance?**

**A.** Yamini Krishnamurthy

**B.** Geetanjali Lal

**C. Aparna Satheesan** ✓

**D.** Saswati Sen

Answer: C. Aparna Satheesan

**Q.37** **Action and reaction forces are exerted on which bodies during an interaction?**

**A.** The same body

**B.** Only bodies at rest

**C. Two different bodies** ✓

**D.** Only moving bodies

Answer: C. Two different bodies

**Q.38** **The Carriage of Goods by Sea Act, 2025, enforced from 10 September 2025, is primarily intended to:**

**A.** Regulate vessel registration
**B.** Develop port infrastructure
**C. Define carrier liability** ✓
**D.** Control marine pollution

Answer: C. Define carrier liability

**Q.39** **Select the correct match of the musician with their musical instrument.**

**A. Bismillah Khan – Shehnai** ✓
**B.** Ravi Shankar – Bansuri
**C.** Shiv Kumar Sharma – Sarod
**D.** Zakir Hussain – Sitar

Answer: A. Bismillah Khan – Shehnai

**Q.40** **Raja and Radha Reddy, who founded the Natya Tarangini Institute in New Delhi, are renowned exponents of which classical dance form?**

**A.** Kathak
**B.** Mohiniyattam
**C.** Sattriya
**D. Kuchipudi** ✓

Answer: D. Kuchipudi

**Q.41** **Which type of soil is most suitable for cotton cultivation in India?**

**A.** Laterite Soil
**B. Black Soil** ✓
**C.** Alluvial Soil
**D.** Red Soil

Answer: B. Black Soil

**Q.42** **Which of the following rulers of the Maitraka dynasty attended Harshavardhana's assembly at Prayaga?**

**A.** Grihavarman
**B.** Prabhakarvardhana
**C.** Rudrasena II
**D. Dhruvasena II** ✓

Answer: D. Dhruvasena II

**Q.43** **In August 2025, which body released the first National Annual Report & Index on Women's Safety (NARI 2025)?**

**A.** National Human Rights Commission
**B. National Commission for Women** ✓
**C.** NITI Aayog
**D.** Ministry of Women and Child Development

Answer: B. National Commission for Women

**Q.44** **The Bahmani kingdom stretched from Mandu in north to which southern boundary?**

**A. Raichur** ✓
**B.** Madurai
**C.** Mysore
**D.** Tiruchirapalli

Answer: A. Raichur

**Q.45** **In which of the following years was the Technology Mission on Oilseeds launched due to which oilseeds production increased to a record level of 18 million tonnes in 1988- 89?**

**A. 1985-86** ✓
**B.** 1983-84
**C.** 1984-85
**D.** 1987-88

Answer: A. 1985-86

**Q.46** **In December 2025, in which of the following cities did the All Living Things Environmental Film Festival (ALT EFF) festival spark public dialogue on environmental issues through impactful films and discussions?**

**A.** Patna
**B. Bengaluru** ✓
**C.** Jaipur
**D.** Ahmedabad

Answer: B. Bengaluru

**Q.47** **Parliament, the legislative organ of the Union government, is mentioned in which part of the Constitution of India?**

**A.** Part VIII
**B.** Part VII
**C. Part V** ✓
**D.** Part VI

Answer: C. Part V

**Q.48** **Which of the following provisions requires ratification by the legislatures of NOT less than half the States for amendment under Article 368(2), making it a 'rigid' feature?**

**A.** Provisions related to citizenship acquisition and termination
**B. Manner of election of the President of India** ✓
**C.** Composition of the Council of Ministers
**D.** Duration of the term of the Lok Sabha

Answer: B. Manner of election of the President of India

**Q.49** **Who among the following is the head of the Union Council of Ministers?**

**A.** Union Home Minister
**B.** President
**C.** Attorney General of India
**D. Prime Minister** ✓

Answer: D. Prime Minister

**Q.50** **Which of the following movements, founded by Jyotirao Phule, was specifically aimed at the upliftment of lower castes in Maharashtra?**

**A.** Arya Samaj
**B. Satyashodhak Samaj** ✓
**C.** Brahmo Samaj
**D.** Ramakrishna Mission

Answer: B. Satyashodhak Samaj

**Q.51** **IRIS chip, developed by ISRO in partnership with IIT-Madras, is designed for:**

**A.** Automotive systems
**B. Space applications with SHAKTI** ✓
**C.** Gaming consoles
**D.** Commercial smartphones

Answer: B. Space applications with SHAKTI

**Q.52** **According to the Census 2011, which of the following states has the highest population density among the northern Indian states?**

**A.** Himachal Pradesh
**B.** Uttarakhand
**C.** Rajasthan
**D. Bihar** ✓

Answer: D. Bihar

**Q.53** **Which of the following goddesses is primarily worshipped during the Gangaur festival of Rajasthan?**

**A.** Goddess Saraswati
**B.** Goddess Durga
**C. Goddess Parvati** ✓
**D.** Goddess Lakshmi

Answer: C. Goddess Parvati

**Q.54** **Where was the 8th session of the Indian Ocean Conference held in February 2025?**

**A.** Perth, Australia
**B. Muscat, Oman** ✓
**C.** New Delhi, India
**D.** Colombo, Sri Lanka

Answer: B. Muscat, Oman

**Q.55** **Which of the following is the correct full form of LAN?**

**A.** Low Area Net
**B.** Large Access Node
**C. Local Area Network** ✓
**D.** Line Access Network

Answer: C. Local Area Network

**Q.56** **Which Amendment created the National Judicial Appointments Commission (NJAC) in India?**

**A. 99th Amendment** ✓
**B.** 102nd Amendment
**C.** 76th Amendment
**D.** 82nd Amendment

Answer: A. 99th Amendment

**Q.57** **Which of the following physiographic regions of India is primarily formed by the extensive deposition of alluvium brought by the Himalayan river systems?**

**A.** The Peninsular Plateau
**B.** The Meghalaya Plateau
**C.** The Western Coastal Plains
**D. The Northern Plains** ✓

Answer: D. The Northern Plains

**Q.58** **The Windows 11 Task Manager helps monitor system resources to identify applications that are _____ system performance.**

**A. degrading** ✓
**B.** enhancing
**C.** simplifying
**D.** stabilizing

Answer: A. degrading

**Q.59** **In September 2025, 26 nations vowed to provide postwar security guarantees to which country?**

**A.** Poland
**B. Ukraine** ✓
**C.** Iran
**D.** Palestine

Answer: B. Ukraine

**Q.60** **In Windows, which file extension represents a dynamic-link library containing reusable code shared across applications?**

**A.** .drv
**B. .dll** ✓
**C.** .tmp
**D.** .is

Answer: B. .dll

**Q.61** **According to World Population Prospects, 2024, what is the estimated peak of the world's population in the mid-2080s?**

**A. 10.3 billion** ✓
**B.** 11.1 billion
**C.** 8.2 billion
**D.** 9.5 billion

Answer: A. 10.3 billion

**Q.62** **What is the purpose of using different file types with extensions in an operating system like MS Windows?**

**A.** To hide file content and remove the content from file
**B.** To make file names longer and rename file
**C.** To increase file size and make changes in file
**D. To allow the OS to determine which application should open the file** ✓

Answer: D. To allow the OS to determine which application should open the file

**Q.63** **Who among the following highlighted the widespread poverty in India during the colonial period through the book Poverty and Un-British Rule in India?**

**A. Dadabhai Naoroji** ✓
**B.** Pherozeshah Mehta
**C.** Mahatma Gandhi
**D.** Bal Gangadhar Tilak

Answer: A. Dadabhai Naoroji

**Q.64** **Which term refers to the quantitative study of reactants and products in a chemical reaction?**

**A.** Molarity
**B. Stoichiometry** ✓
**C.** Mass per cent
**D.** Mole fraction

Answer: B. Stoichiometry

**Q.65** **Who among the following founded the secret revolutionary society 'Abhinav Bharat' in 1904?**

**A.** Shyamji Krishna Varma
**B.** Khudiram Bose
**C. V.D. Savarkar** ✓
**D.** Lala Har Dayal

Answer: C. V.D. Savarkar

**Q.66** **Which AI-enabled digital governance tool, integrated with BHASHINI, was introduced to generate structured minutes of Gram Sabha and Panchayat meetings from audio or video inputs, with multilingual support across 14 Indian languages?**

**A.** GramLekha AI Platform
**B.** Rural Governance Documentation Tool
**C.** Panchayat Digital Recorder System
**D. SabhaSaar** ✓

Answer: D. SabhaSaar

**Q.67** **Which continent is entirely in the Southern and Eastern Hemispheres?**

**A.** Africa
**B.** Europe
**C. Australia** ✓
**D.** Asia

Answer: C. Australia

**Q.68** **Fundamental Duties of the citizens were enumerated by the 42nd Amendment of the Constitution, adopted in the year:**

**A.** 1986
**B.** 1966
**C.** 1988
**D. 1976** ✓

Answer: D. 1976

**Q.69** **If a scientist is comparing the energy output of two light bulbs and records their values in joules, which dimensional formula should be used to represent energy in the SI system?**

**A. $[M\ L^2\ T^{-2}]$** ✓
**B.** $[M\ T^2]$
**C.** $[M\ L\ T^{-2}]$
**D.** $[L^2\ T^{-2}]$

Answer: A. $[M\ L^2\ T^{-2}]$

**Q.70** **Which book written by Jyotirao Phule was dedicated to those who fought against slavery in America?**

**A.** The Cultivator's Whipcord
**B.** Stripurushtulna
**C.** Satyarth Prakash
**D. Gulamgiri** ✓

Answer: D. Gulamgiri

## General Intelligence and Reasoning

**Q.71** **Seven boxes, F, G, H, I, J, K and L, are kept one over the other, but not necessarily in the same order.**
**Only one box is kept between G and F. J is kept at the fourth position from the top. Only one box is kept above L. I is kept immediately below L. K is kept at a position somewhere above J.**
**How many boxes are kept between K and H?**

**A.** One
**B.** Two
**C.** Three
**D. Four** ✓

Answer: D. Four

**Q.72** **Each vowel in the word RADULAE 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?**

**A.** Zero

**B.** Two

**C. One** ✓

**D.** Three

Answer: C. One

**Q.73** **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.)**
**(2, 5, 7)**
**(3, 10, 13)**

**A.** (7, 49, 51)

**B. (6, 37, 43)** ✓

**C.** (5, 26, 36)

**D.** (8, 63, 75)

Answer: B. (6, 37, 43)

**Q.74** **In a certain code language, ‘stage pig add’ is coded as ‘yv se kk’ and ‘third add bee’ is coded as ‘se ec wm’. How is ‘add’ coded in that language? (All codes are two-letter codes.)**

**A.** kk

**B.** yv

**C.** ec

**D. se** ✓

Answer: D. se

**Q.75** **Refer to the given letter series and answer the question that follows.**
**Counting to be done from left to right only.**
**(Left) F M I H Y F Y E G K Y O N V K H Q T E K N (Right)**
**How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?**

**A. None** ✓
**B.** One
**C.** Two
**D.** Three

Answer: A. None

**Q.76** **Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only two people sit between Q and L when counted from the right of Q.**
**Only two people sit between L and O when counted from the left of O. Only three people sit between Q and F when counted from the right of Q. M sits to the immediate left of H.**
**Who sits third to the left of G?**

**A. H** ✓
**B.** L
**C.** F
**D.** M

Answer: A. H

**Q.77** **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 letter-cluster pair 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.** ST - YZ
**B.** CD - IJ
**C.** IJ - OP
**D. MJ - LP** ✓

Answer: D. MJ - LP

**Q.78** **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**
**PRY WYF DFM KMT ?**

**A. RTA** ✓
**B.** RAT
**C.** RTY
**D.** ERT

Answer: A. RTA

**Q.79** **Seven boxes, A, U, V, W, X, Y and Z, are kept one over the other, but not necessarily in the same order.**
**Y is kept second from the bottom. Only two boxes are kept between Y and V. A is kept on one of the positions before V but on one of the positions after W. Only Z is kept between Y and U.**
**Which box is kept first from the bottom?**

**A.** A
**B.** W
**C. X** ✓
**D.** U

Answer: C. X

**Q.80** **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 one out is not based on the number of consonants/vowels or their position in the letter cluster.)**

**A.** OGY
**B. QAI** ✓
**C.** KCU
**D.** PHZ

Answer: B. QAI

**Q.81** **Each vowel in the word NOTFERN 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?**

**A.** Two
**B. One** ✓
**C.** Three
**D.** Zero

Answer: B. One

**Q.82** **In a certain code language, 'LOTS' is coded as '8439' and 'JOLS' is coded as '4853'.**
**What is the code for 'J' in the given code language?**

**A.** 4
**B.** 3
**C. 5** ✓
**D.** 8

Answer: C. 5

**Q.83** **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. US−OP** ✓

**B.** TR−OM

**C.** PN−KI

**D.** XV−SQ

Answer: A. US−OP

**Q.84** **LOSM is related to QTXR in a certain way based on the English alphabetical order. In the same way, ILPJ is related to NQUO. To which of the following is FIMG related, following the same logic?**

**A.** NKLR

**B.** NKRL

**C. KNRL** ✓

**D.** KNLR

Answer: C. KNRL

**Q.85** **In a certain code language,**
**J + Q means 'J is the mother of Q',**
**J – Q means 'J is the brother of Q',**
**J x Q means 'J is the husband of Q' and**
**J ÷ Q means 'J is the sister of Q'.**
**Based on the above, how is A related to F if 'A ÷ B x C + D – E ÷ F'?**

**A. Father's sister** ✓

**B.** Sister

**C.** Mother

**D.** Mother's sister

Answer: A. Father's sister

**Q.86** **What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?**
**12 ÷ 4 + 9 x 3 - 8 = ?**

**A. 53** ✓

**B.** 39

**C.** 44

**D.** 35

Answer: A. 53

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

**A.** Brother's wife
**B.** Husband's mother
**C. Wife's mother** ✓
**D.** Wife's brother's wife

Answer: C. Wife's mother

**Q.88** **Mr. Yorly starts from Point A and drives 17 km towards East. He then takes a left turn, drives 18 km, turns left and drives 30 km. He then takes a left turn and drives 31 km. He then takes a left turn, drives 9 km, turns left and drives 6 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)**

**A.** 5 km to the West
**B.** 9 km to the East
**C.** 8 km to the North
**D. 7 km to the North** ✓

Answer: D. 7 km to the North

**Q.89** **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 Eagles are Seagulls. Some Seagulls are Peacocks.**
**Conclusion (I): Some Eagles are Peacocks.**
**Conclusion (II): No Peacocks are Eagles.**

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

Answer: D. Neither conclusion (I) nor (II) follows

**Q.90** **Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only two people sit to the left of N. Only three people sit between N and G. Only one person sits between G and E. I sits to the immediate left of R. A is not an immediate neighbor of G. How many people sit to the right of T?**

**A.** Two
**B.** Four
**C. One** ✓
**D.** Three

Answer: C. One

**Q.91** **KL 9 is related to IH −2 in a certain way. In the same way, PG 7 is related to NC −4. To which of the following is JQ 14 related, following the same logic?**

**A.** HN 6
**B.** IM 3
**C.** IN 6
**D. HM 3** ✓

Answer: D. HM 3

**Q.92** **What should come in place of '?' in the given series?**
**135 150 180 225 285 ?**

**A. 360** ✓
**B.** 340
**C.** 350
**D.** 330

Answer: A. 360

**Q.93** **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?**
**3 A 42 B 14 C 29 D 22 = ?**

**A.** 11
**B.** 10
**C. 8** ✓
**D.** 9

Answer: C. 8

**Q.94** **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 apples are baskets. Some baskets are cups.**
**Conclusions:**
**(I) Some apples are cups.**
**(II) All cups are apples.**

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

Answer: A. Neither conclusion (I) nor (II) follows

**Q.95** **What should come in place of the question mark (?) in the given series based on the English alphabetical order?**
**TUW XYA BCE FGI ?**

**A.** KJL
**B. JKM** ✓
**C.** JLM
**D.** JMK

Answer: B. JKM

**Q.96** **Seven boxes, K, N, I, G, H, T and S, are kept one over the other, but not necessarily in the same order.**
**K is kept fourth from the top. Only one box is kept between H and K. Only three boxes are kept between H and S. S is kept at some place above K. I is kept immediately below S. N is kept at one of the places above T. G is not kept immediately above or below H.**
**How many boxes are kept below N?**

**A.** One
**B. Two** ✓
**C.** Zero
**D.** Three

Answer: B. Two

**Q.97** **If ‘A’ stands for ‘÷’, ‘B’ stands for ‘×’, ‘C’ stands for ‘+’ and ‘D’ stands for ‘−’, what will come in place of the question mark ‘?’ in the following equation?**
**7 A 7 C 20 B 2 = ? C 20**

**A.** 22
**B. 21** ✓
**C.** 24
**D.** 20

Answer: B. 21

**Q.98** **What should come in place of ‘?’ in the given series?**
**4 10 18 38 74 ?**

**A.** 148
**B. 150** ✓
**C.** 154
**D.** 152

Answer: B. 150

**Q.99** **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 man out is not based on the number of consonants/vowels or their position in the letter cluster.)**

**A.** RF – NB
**B.** MJ – IF
**C.** UG – QC
**D. PT – LG** ✓

Answer: D. PT – LG

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

**A.** SWS
**B. SVT** ✓
**C.** SUS
**D.** STV

Answer: B. SVT