रेलवे भर्ती बोर्ड / **RAILWAY RECRUITMENT BOARDS**

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - *CEN - 06/2024 - NTPC Under Graduate Level*

Test Date	08/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **General Awareness**

Q.1   **Under Article 239 of the Constitution, a Union Territory is administered by:**
Ans   ✗ 1. the Governor of an adjacent State

✗ 2. the Prime Minister of India

✗ 3. the Parliament of India

✔ 4. the President of India

Q.2   **Which body is entrusted with recruiting India's civil servants on the basis of merit?**
Ans   ✗ 1. The President's Secretariat

✗ 2. State Governments through District Boards

✔ 3. The Union Public Service Commission

✗ 4. The Election Commission of India

Q.3   **Which renewable energy source is dependent on the gravitational pull of the moon?**
Ans   ✗ 1. Wind energy

✗ 2. Biomass energy

✗ 3. Solar energy

✔ 4. Tidal energy

Q.4   **Which Indian Light Tank (ILT) has achieved a major feat in December 2024 by firing multiple rounds at various ranges at an altitude of over 4200 m?**
Ans   ✔ 1. Zorawar

✗ 2. Yuvraj

✗ 3. Dhruv

✗ 4. Amar

Q.5   **Which sectors were emphasised in the Eighth Five-Year Plan for employment generation?**
Ans   ✗ 1. Automotive and steel industries

✗ 2. IT and software services

✗ 3. Banking and finance

✔ 4. Animal husbandry, fishery, horticulture and rural industries

Q.6 The inaugural edition of India's first major naval exercise 'AIKEYME' was held off the coast of which African country in April 2025?

Ans ✔ 1. Tanzania

✘ 2. Seychelles

✘ 3. Kenya

✘ 4. Comoros

Q.7 In 2025, which city in France hosted the French Open tennis tournament?

Ans ✘ 1. Lyon

✘ 2. Marseille

✔ 3. Paris

✘ 4. Nice

Q.8 Which novel macrolide antibiotic, highlighted in a December 2024 PIB factsheet, is being positioned as India's first indigenous drug against community-acquired pneumonia?

Ans ✔ 1. Nafithromycin

✘ 2. Pretomanid

✘ 3. Lefamulin

✘ 4. Delafloxacin

Q.9 Who were the Voharikas in the judicial structure of the Magadha period?

Ans ✘ 1. Local tax collectors

✘ 2. Judges in village assemblies

✔ 3. Lawyer-Judges

✘ 4. Military generals

Q.10 Cabinet minister Kinjarapu Ram Mohan Naidu was related to which ministry in May 2025, who was named in the World Economic Forum (WEF) Young Global Leaders list 2025?

Ans ✘ 1. Ministry of Housing and Urban Affairs

✘ 2. Ministry of Commerce and Industry

✔ 3. Ministry of Civil Aviation

✘ 4. Ministry of Corporate Affairs

Q.11 To change the desktop wallpaper, which option would you choose?

Ans ✘ 1. Settings > Devices

✔ 2. Settings > Personalization

✘ 3. Settings > Ease of Access

✘ 4. Settings > Apps

Q.12 When did the Hershey-Chase experiment provide solid evidence that DNA, not proteins, is the genetic material?

Ans ✘ 1. 1957

✔ 2. 1952

✘ 3. 1950

✘ 4. 1946

Q.13 The President of India, Droupadi Murmu, conferred which Jnanpith Award on the Sanskrit scholar Jagadguru Rambhadracharya in May 2025?

Ans ✗ 1. 62nd

✓ 2. 58th

✗ 3. 48th

✗ 4. 52nd

Q.14 In which of the following shooting events (in distance) did Simranpreet Kaur Brar win silver medal in the women's category at ISSF World Cup 2025, Lima?

Ans ✓ 1. 25m

✗ 2. 75 m

✗ 3. 50 m

✗ 4. 100 m

Q.15 Which Article of the Indian Constitution directs the State to promote the welfare of the people?

Ans ✗ 1. Article 43

✗ 2. Article 47

✓ 3. Article 38

✗ 4. Article 42

Q.16 What is the main function of RAM in a computer?

Ans ✓ 1. To provide temporary storage for running programs

✗ 2. To control the printer

✗ 3. To store permanent data

✗ 4. To process graphics

Q.17 Which indigenously developed missile was successfully test fired by DRDO and Indian Navy on 26 March 2025?

Ans ✗ 1. Short-Range Sea-to-Surface (Coast) Missile

✗ 2. Advanced Short Range Air-to-Air Missile

✗ 3. Short-Range Anti-Tank Missile

✓ 4. Vertically Launched Short-Range Surface-to-Air Missile

Q.18 In which chronic disease do the inner walls of the lungs' air sacs, called alveoli, become damaged, causing them to eventually burst?

Ans ✓ 1. Emphysema

✗ 2. Dyspepsia

✗ 3. Arrhythmias

✗ 4. Cystic fibrosis

Q.19 Who is known as the 'Grand Old Man of India' and promoted Indian economic nationalism?

Ans ✓ 1. Dadabhai Naoroji

✗ 2. Lala Lajpat Rai

✗ 3. Gopal Krishna Gokhale

✗ 4. Surendranath Banerjee

Q.20 Which range is known for its rich biodiversity and is a UNESCO World Heritage Site?

Ans ✗ 1. Satpura Range

✓ 2. Western Ghats

✗ 3. Eastern Ghats

✗ 4. Chotanagpur plateau

Q.21 Which of the following organs represents the female reproductive part of a flower in angiosperms?

Ans
✗ 1. Petal

✗ 2. Androecium

✓ 3. Gynoecium

✗ 4. Stamen

Q.22 _____ serves as the conventional base material for the art form known as Kalamkari.

Ans
✗ 1. Metal

✗ 2. Wood

✗ 3. Paper

✓ 4. Cloth

Q.23 In which of the following years was the Bengal Sati Regulation enacted?

Ans
✗ 1. 1837

✗ 2. 1818

✓ 3. 1829

✗ 4. 1858

Q.24 Which of the following correctly describes the Planning Commission of India?

Ans
✗ 1. A constitutional body established by an Article of the Constitution.

✗ 2. A statutory body created by an Act of Parliament in 1950.

✗ 3. A constitutional commission chaired by the Chief Justice of India.

✓ 4. An extra-constitutional advisory body created by a government resolution in 1950.

Q.25 [October 2024] Mongla Port, recently seen in the news for strategic development and trade ties, is located in which country?

Ans
✗ 1. India

✓ 2. Bangladesh

✗ 3. Sri Lanka

✗ 4. Myanmar

Q.26 Which Indian institution has developed an affordable device that is capable of rapidly separating plasma from blood and purifying water, priced at ₹1,000?

Ans
✓ 1. IIIT-Allahabad

✗ 2. IIT Kanpur

✗ 3. IIT Hyderabad

✗ 4. IISc Bangalore

Q.27 In 2025, which of the following institutes developed the paper-based technology 'Freshness Keeper' to extend the freshness of cut flowers?

Ans
✗ 1. Indian Institute of Horticulture Research

✗ 2. IIT Madras

✗ 3. IIT Bombay

✓ 4. CSIR-Central Food Technological Research Institute

Q.28 Which of the following rivers is associated with National Waterway 10 (NW-10)?

Ans
✗ 1. Brahmaputra river

✓ 2. Amba river

✗ 3. Chambal river

✗ 4. Yamuna river

Q.29 A free trade arrangement of the SAARC countries, the South Asian Free Trade Area (SAFTA), came into force in which year?

Ans
✓ 1. 2006
✗ 2. 2018
✗ 3. 2010
✗ 4. 2000

Q.30 भारत में फ़कीर-सन्यासी विद्रोह के साथ देवी चौधुरानी और भवानी पाठक का संबंध निम्नलिखित में से क्या इंगित करता है?

Ans
✗ 1. ये विद्रोह विशुद्ध रूप से धार्मिक प्रकृति के थे।
✓ 2. इस विद्रोह में सभी धर्मों और लिंगों की भागीदारी थी।
✗ 3. बंगाल में केवल जनजाति समूहों ने ही ऐसे प्रतिरोधों का नेतृत्व किया।
✗ 4. इस आंदोलन पर उच्च जाति के कुलीन वर्ग का प्रभुत्व था।

Q.31 Barapani Lake of Shillong is also known as _____.

Ans
✓ 1. Umiam Lake
✗ 2. Shilloi Lake
✗ 3. Haflong Lake
✗ 4. Jaisamand Lake

Q.32 Who is the head of the civil administration of a district court in India?

Ans
✗ 1. Chief Judicial Magistrate
✓ 2. District Judge
✗ 3. District Collector
✗ 4. Registrar General of the High Court

Q.33 In which of the following years was the National Seeds Policy launched?

Ans
✗ 1. 2007
✗ 2. 2010
✓ 3. 2002
✗ 4. 2018

Q.34 Decathlon, which set up its first outlet in India in Bengaluru in 2009, is a _____.

Ans
✗ 1. Swedish sports goods retailer
✗ 2. German sports goods retailer
✗ 3. Chinese sports goods retailer
✓ 4. French sports goods retailer

Q.35 Volcanoes are often found in which type of plate boundary?

Ans
✗ 1. Convergent and transform boundaries only
✗ 2. Divergent boundaries only
✓ 3. Convergent and divergent boundaries
✗ 4. Transform boundaries only

Q.36 What was the official theme of India's 76th Republic Day Parade held on January 26, 2025?

Ans
✗ 1. Har Ghar Tiranga: Unity in Diversity
✗ 2. Digital Bharat: Future Forward
✗ 3. Viksit Bharat: Innovation & Inclusion
✓ 4. Swarnim Bharat: Virasat aur Vikas

Q.37 What is a notable characteristic of the carvings found at the entrances of the Sanchi Stupa?

Ans
✖ 1. Mauryan royal figures

✔ 2. Jataka story narratives

✖ 3. Buddha's post-enlightenment life

✖ 4. Mythical creatures like yakshas and kinnaras

Q.38 In 2025, which two countries were involved in renewed tensions over the South China Sea, prompting international concern about maritime security?

Ans
✖ 1. India and Pakistan

✖ 2. USA and Iran

✔ 3. China and Philippines

✖ 4. Russia and Ukraine

Q.39 सातवाहन साम्राज्य के दौरान, 'आहार' या 'राष्ट्र' शब्द किसको संदर्भित करते थे?

Ans
✖ 1. मंदिर भूमि

✖ 2. कर अधिकारी

✖ 3. राजधानी

✔ 4. जिला

Q.40 Which government initiative primarily focuses on improving human development by ensuring healthcare and nutrition for women and children?

Ans
✖ 1. Digital India

✖ 2. Beti Bachao, Beti Padhao

✖ 3. Skill India Mission

✔ 4. Poshan Abhiyaan

Section : Mathematics

Q.1 The angles of elevation of the top of a tower from two points X and Y (on opposite sides of the tower) at distances b2 m and a2 m, respectively, from the base and in the same straight line with it are complementary. The height (in m) of the tower is _____.

Ans
✖ 1. $ab^{\frac{1}{2}}$

✖ 2. $(ab)^{\frac{1}{2}}$

✖ 3. $ba^{\frac{1}{2}}$

✔ 4. ab

Q.2 Find the value of [954 ÷ {30 + 9 × (3 − 6)}].

Ans
✖ 1. 319

✔ 2. 318

✖ 3. 313

✖ 4. 321

Q.3 Prashant and Nisha have to travel from Delhi to Kanpur in their respective cars. Prashant is driving at 117 km/hr while Nisha is driving at 48 km/hr. Find the time taken by Nisha to reach Kanpur if Prashant takes 16 hours.

Ans
✔ 1. 39 hours

✖ 2. 44 hours

✖ 3. 45 hours

✖ 4. 36 hours

Q.4 If the interest earned during the 2nd year on a certain sum is ₹2,352, and the rate of interest is 5% per annum compounded annually, then the sum is:

Ans
- ✗ 1. ₹44,035
- ✗ 2. ₹44,855
- ✓ 3. ₹44,800
- ✗ 4. ₹45,115

Q.5 The sides of a triangle are 82 cm, 18 cm, and 80 cm. What is its area? (in cm^2)

Ans
- ✗ 1. 670
- ✗ 2. 712
- ✗ 3. 731
- ✓ 4. 720

Q.6

By how much is 65% of 65 greater than $\frac{1}{5}$ of 15?

Ans
- ✗ 1. 36.25
- ✗ 2. 37.25
- ✗ 3. 33.25
- ✓ 4. 39.25

Q.7 Jaya can do a certain piece of work in 30 days. Jaya and Sushma can together do the same work in 21 days, and Jaya, Sushma and Hina can do the same work together in 14 days. In how many days can Jaya and Hina do the same work together?

Ans
- ✓ 1. $\dfrac{35}{2}$
- ✗ 2. $\dfrac{31}{3}$
- ✗ 3. $\dfrac{44}{2}$
- ✗ 4. $\dfrac{27}{4}$

Q.8 An item marked at ₹5,000 is given at successive discounts of 10% and 5%. Find the final selling price.

Ans
- ✗ 1. ₹4,320
- ✗ 2. ₹4,250
- ✓ 3. ₹4,275
- ✗ 4. ₹4,350

Q.9 M and N start a business. M invests ₹46,000 more than N for 3 months and N invests for 4 months. M's share is ₹453 more than that of N, out of a total profit of ₹1,359. Find the capital contributed by M.

Ans
- ✗ 1. ₹73,608
- ✗ 2. ₹73,516
- ✗ 3. ₹73,715
- ✓ 4. ₹73,600

Q.10 Find the mean proportional between 24 and 150.

Ans
- ✔ 1. 60
- ✘ 2. 70
- ✘ 3. 40
- ✘ 4. 50

Q.11 Train A leaves station M at 8:25 AM and reaches station N at 3:25 PM on the same day.
Train B leaves station N at 10:25 AM and reaches station M at 3:25 PM on the same day.
Find the time when trains A and B meet.

Ans
- ✘ 1. 12:50 PM
- ✔ 2. 12:30 PM
- ✘ 3. 11:30 AM
- ✘ 4. 11:10 AM

Q.12 The number 327087 is divisible by which of the following?

Ans
- ✘ 1. 5
- ✘ 2. 8
- ✔ 3. 3
- ✘ 4. 12

Q.13 Find the greatest number that will divide 49, 97 and 189 so as to leave the same remainder in each case.

Ans
- ✘ 1. 5
- ✔ 2. 4
- ✘ 3. 7
- ✘ 4. 3

Q.14
$$Simplify: 3\left(\left(\frac{7}{3}\right)x^2 - 25x + 12\right) - 7(x^2 + 9x - 13).$$

Ans
- ✘ 1. 138x − 127
- ✔ 2. −138x + 127
- ✘ 3. 138x + 127
- ✘ 4. −138x − 127

Q.15 The selling price of 20 books is equal to the cost price of 5 books. Find the loss or gain percentage.

Ans
- ✘ 1. $\frac{100}{15}\% \, gain$
- ✘ 2. $\frac{100}{15}\% \, loss$
- ✘ 3. 75% gain
- ✔ 4. 75% loss

Q.16 A can do a work in 12 days and B can do the same work in 18 days. If they work on it together for 4 days, then what fraction of the work is left?

Ans

✔ 1. $\dfrac{4}{9}$

✘ 2. $\dfrac{11}{9}$

✘ 3. $\dfrac{14}{9}$

✘ 4. $\dfrac{13}{9}$

Q.17 ABCD is a trapezium in which BC ∥ AD and AC = CD. If ∠ABC = 19° and ∠BAC = 137°, then what is the measure of ∠ACD (in degree)?

Ans

✘ 1. 120°

✘ 2. 128°

✔ 3. 132°

✘ 4. 131°

Q.18 If the 6-digit number N83M92 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans

✘ 1. M + N = -2

✔ 2. M - N = 2

✘ 3. M - N = 1

✘ 4. M = N

Q.19 एक दुकानदार ₹3,500 में एक साइकिल खरीदता है और उसे 20% की छूट पर बेचता है, जिसमें कोई लाभ या हानि नहीं होती। साइकिल का अंकित मूल्य क्या है?

Ans

✘ 1. ₹3,475

✘ 2. ₹5,374

✘ 3. ₹7,343

✔ 4. ₹4,375

Q.20 *The value of* $10^2 + \sqrt{2^2} - 4\sqrt{25} - 3$ *is*

Ans

✘ 1. 69

✘ 2. 81

✔ 3. 79

✘ 4. 78

Q.21 Find the area of a triangle with base 12 cm and height 8 cm.

Ans

✘ 1. 72 cm^2

✘ 2. 60 cm^2

✔ 3. 48 cm^2

✘ 4. 96 cm^2

Q.22 3 वर्ष पहले, पिता की आयु उसके पुत्र की आयु के दोगुने से 24 वर्ष अधिक थी। अब से कितने वर्षों बाद, उसकी आयु उसके पुत्र की आयु की दोगुनी हो जाएगी?

Ans

✘ 1. 19

✘ 2. 23

✘ 3. 25

✔ 4. 21

Q.23 The cost of 12 pens and 7 pencils is ₹285. If the cost of a pen decreases by ₹6 and the cost of a pencil increases by ₹5, then the cost of 11 pens and 3 pencils is ₹118. What is the original cost of 2 pens and 2 pencils?

Ans ✗ 1. ₹68

✗ 2. ₹66

✗ 3. ₹73

✔ 4. ₹70

Q.24 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 9 months.

Ans ✗ 1. ₹56

✗ 2. ₹432

✔ 3. ₹36

✗ 4. ₹72

Q.25 Nitin bought some pencils at the rate of ₹180 a dozen. He sold them for ₹17 each. His profit percentage is _____%. (Round off to two decimal places.)

Ans ✗ 1. 11.33

✗ 2. 17.33

✗ 3. 15.33

✔ 4. 13.33

Q.26 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 109. Find the average of the remaining two numbers.

Ans ✗ 1. 190

✗ 2. 194

✔ 3. 193

✗ 4. 189

Q.27 An amount of ₹658 is divided among three persons in the ratio of 18 : 12 : 2. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans ✔ 1. 329

✗ 2. 426

✗ 3. 261

✗ 4. 242

Q.28 The number 444348269 is divisible by which of the following?

Ans ✗ 1. 10

✔ 2. 19

✗ 3. 12

✗ 4. 9

Q.29 The current population of a town is 14,680. It increases by 25% and 70% in two successive years but decreases by 20% in the third year. What is the population of the town at the end of the third year?

Ans ✔ 1. 24,956

✗ 2. 24,960

✗ 3. 24,953

✗ 4. 24,958

Q.30 The average runs scored by a batsman in 23 matches is 42. In the next 10 matches, the batsman scored an average of 15 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

Ans
✗ 1. 32.82

✗ 2. 34.82

✔ 3. 33.82

✗ 4. 35.82

Section : **General Intelligence and Reasoning**

Q.1 Each of the digits in the number 71642938 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans
✗ 1. None

✗ 2. Two

✔ 3. One

✗ 4. Three

Q.2 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits third to the right of E. F sits to the immediate left of B. C is the immediate neighbour of A and B. G is not the immediate neighbour of F. How many people sit between D and G when counted from the left of G?

Ans
✔ 1. Four

✗ 2. Two

✗ 3. Five

✗ 4. Three

Q.3 What will come in place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '−' and '÷' are interchanged?

$38 \div 7 + 5 \times 20 - 4 = ?$

Ans
✗ 1. 22

✗ 2. 27

✔ 3. 8

✗ 4. 15

Q.4 In a certain code language,
A + B means 'A is the daughter of B',
A − B means 'A is the wife of B',
A x B means 'A is the father of B' and
A ÷ B means 'A is the brother of B'.

How is A related to S if 'A + E − F x N ÷ S'?

Ans
✗ 1. Father's sister

✗ 2. Mother's mother

✗ 3. Father's mother

✔ 4. Sister

Q.5 If 2 is added to each even digit and 2 is added to each odd digit in the number 7145362, what will be the sum of the last two and first two digits in the new number thus formed?

Ans
✗ 1. 25

✔ 2. 24

✗ 3. 26

✗ 4. 27

Q.6 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 conclusion(s) logically follow(s) from the statements.

Statements:

All physicists are chemists.
No chemists are biologists.

Conclusions:

I. No biologists are physicists.
II. Some biologists are physicists.

Ans ✖ 1. Only conclusion (II) follows.

✖ 2. Neither conclusion (I) nor (II) follows.

✔ 3. Only conclusion (I) follows.

✖ 4. Both conclusions (I) and (II) follow.

Q.7 यदि '+' और '÷' को परस्पर बदल दिया जाए, तथा '–' और '×' को परस्पर बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न चिह्न (?) के स्थान पर क्या आएगा?

$21 \div 57 - 3 \times 8 + 4 = ?$

Ans ✖ 1. 56

✖ 2. 23

✖ 3. 45

✔ 4. 34

Q.8 In a certain code language, 'MADE' is coded as '4172' and 'HAME' is coded as '2475'. What is the code for 'H' in the given code language?

Ans ✖ 1. 7

✖ 2. 4

✔ 3. 5

✖ 4. 2

Q.9 What should come in place of the question mark (?) in the given series?

27 35 51 75 107 ?

Ans ✖ 1. 125

✔ 2. 147

✖ 3. 148

✖ 4. 174

Q.10 In a certain code language, 'ALPS' is coded as '3257' and 'PUNE' is coded as '1346'. What is the code for 'P' in the given code language?

Ans ✖ 1. 1

✖ 2. 5

✖ 3. 7

✔ 4. 3

Q.11 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(Note: all numbers are single digit numbers only.)

(Left) 1 & 9 6 > 7 5 * 7 + 5 ^ 7 0 * 4 % $ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

Ans ✗ 1. Nine

✓ 2. Six

✗ 3. Eight

✗ 4. Seven

Q.12 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above A. Only one box is kept between F and A. Only three boxes are kept between F and E. E is kept at some place above A. B is kept immediately below E. G is kept at one of the places above D. C is not kept immediately above or below F. How many boxes are kept above B?

Ans ✗ 1. 4

✗ 2. 1

✗ 3. 3

✓ 4. 2

Q.13 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LDH 14, NFJ 17, PHL 20, RJN 23, ?

Ans ✓ 1. TLP 26

✗ 2. RTS 26

✗ 3. RTQ 27

✗ 4. TMQ 27

Q.14 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.)

Ans ✗ 1. MP-GK

✓ 2. PS-JM

✗ 3. JM-DH

✗ 4. TW-NR

Q.15 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LIF 13, DAX 24, VSP 46, NKH 90, FCZ 178, ?

Ans ✗ 1. XUR 351

✓ 2. XUR 354

✗ 3. XUM 354

✗ 4. UUR 354

Q.16 This question is based on the five, three-digit numbers given below.

(Left) 267 513 671 895 729 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If the digits of each number are added and their respective resultants are arranged in the ascending order, what is the number placed 4th from the right end?

Ans
✗ 1. 18

✗ 2. 15

✓ 3. 14

✗ 4. 9

Q.17 RUTW is related to TWVY in a certain way based on the English alphabetical order. In the same way, MPOR is related to ORQT. To which of the given options is VYXA related, following the same logic?

Ans
✓ 1. XAZC

✗ 2. XZYC

✗ 3. XBYE

✗ 4. XAYC

Q.18 Shyam starts from Point A and drives 12 km towards east. He then takes a right turn, drives 7 km, turns right and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 7 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° turns only unless specified.)

Ans
✗ 1. 19 km towards east

✓ 2. 16 km towards north

✗ 3. 19 km towards north

✗ 4. 16 km towards south

Q.19 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 G and A. Only F is kept above B. No box is kept below A. E is kept at some place below C but at some place above D. How many boxes are kept between D and F?

Ans
✗ 1. One

✗ 2. Three

✗ 3. Two

✓ 4. Four

Q.20 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
ACF : CEH
PET : RGV

Ans
✓ 1. XVN : ZXP

✗ 2. WDX : ZFY

✗ 3. QTP : SUW

✗ 4. SAD : TBO

Q.21 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

HIVE - EHVI - HEIV
FANG - GFNA - FGAN

Ans
✗ 1. SORT - TSOR - ORTS

✓ 2. MUSK - KMSU - MKUS

✗ 3. TENS - ETNS - SENT

✗ 4. RAIN - NRIA - RANI

Q.22 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 conclusion(s) logically follow(s) from the statements.

Statements:
Some birds are animals.
All animals are tables.

Conclusions:
(I): Some birds are tables.
(II): All tables are animals.

Ans ✗ 1. Neither conclusion (I) nor (II) follows.

✓ 2. Only conclusion (I) follows.

✗ 3. Both conclusions (I) and (II) follow.

✗ 4. Only conclusion (II) follows.

Q.23 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.)

Ans ✗ 1. LHK

✓ 2. OKM

✗ 3. UQT

✗ 4. RNQ

Q.24 What should come in place of the question mark (?) in the given series?

36 51 45 64 54 77 63 90 72 ?

Ans ✗ 1. 110

✗ 2. 113

✓ 3. 103

✗ 4. 106

Q.25 Babar starts from Point A and drives 14 km towards West. He then takes a left turn, drives 7 km, turns right and drives 9 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 5 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° turns only unless specified.)

Ans ✗ 1. 20 km towards West

✓ 2. 18 km towards East

✗ 3. 18 km towards West

✗ 4. 20 km towards North

Q.26 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.)

Ans ✓ 1. SO−ON

✗ 2. AW−XT

✗ 3. PL−MI

✗ 4. TP−QM

Q.27 What should come in place of the question mark (?) in the given series?

102 108 120 138 162 ?

Ans ✗ 1. 204

✗ 2. 212

✗ 3. 230

✓ 4. 192

Q.28 Seven boxes F, G, H, I, K, L and O are kept one over the other but not necessarily in the same order.
O is kept second from the bottom. Only three boxes are kept between O and G. L is kept at one of the positions below O. Only I is kept between G and H. F is kept at one of the positions above G.
How many boxes are kept between L and F?

Ans ✗ 1. Three

✗ 2. One

✗ 3. Four

✓ 4. Five

Q.29 J, K, L, M, N, O and S are sitting around a circular table, facing the centre of the table. Only three people sit between O and J when counted from the left of O. Only three people sit between K and M when counted from the right of M. S sits to the immediate right of K. N is an immediate neighbour of M as well as J. Who sits second to the left of L?

Ans ✓ 1. N

✗ 2. M

✗ 3. J

✗ 4. O

Q.30 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

227, 112
240, 125

Ans ✗ 1. 210, 85

✗ 2. 254, 129

✓ 3. 262, 147

✗ 4. 215, 110