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DFCCIL Executive

Previous Year Paper
(Civil)
10 Jul, 2025 Shift 3

Participant Id	
Participant Name	
Test Center Name	
Test Date	10/07/2025
Test Time	4:00 PM - 5:30 PM
Subject	Executive Civil

Section : **Mathematics Numerical Ability**

Q.1 **The HCF and the LCM of two numbers are 17 and 204, respectively. If one of the numbers is 68, find the other one.**

Ans ✗ A. 50

✗ B. 90

✗ C. 120

✓ D. 51

Question ID : **441009835951**
Option 1 ID : **4410093296921**
Option 2 ID : **4410093296923**
Option 3 ID : **4410093296922**
Option 4 ID : **4410093296920**
Status : **Answered**
Chosen Option : **D**

Q.2 A water tank can be filled by a tap in 40 minutes and another tap can fill it in 45 minutes. If both the taps are kept open for 15 minutes and then the first tap is closed, then how much more time will it take for the tank to be full?

Ans

✔ A. $13\frac{1}{8}$ minutes

✘ B. $11\frac{3}{5}$ minutes

✘ C. $12\frac{5}{9}$ minutes

✘ D. $10\frac{2}{7}$ minutes

Q.3 A cylindrical rod has an outer curved surface area of 6600 cm². If the (in cm) of the rod (correct to two decimal places) is:

$$\left(\text{Take } \pi = \frac{22}{7}\right)$$

Ans

✘ A. 14.31

✘ B. 12.89

✔ C. 13.46

✘ D. 14.17

Q.4 If $X \cdot \cos^2 30° \sec 12° \cot 61° = \dfrac{\tan 29° \cdot \csc 78°}{\csc 30° \tan 45°}$, then the value of X

Ans

✓ A. $\dfrac{2}{3}$

✗ B. $\sqrt{\dfrac{2}{3}}$

✗ C. 0

✗ D. 2

Question ID : **441009836706**
Option 1 ID : **4410093299940**
Option 2 ID : **4410093299941**
Option 3 ID : **4410093299942**
Option 4 ID : **4410093299943**
Status : **Answered**
Chosen Option : **A**

Q.5 The cost of a washing machine is 80% less than the cost of a TV. If the cost of the washing machine increases by 81% and that of the TV decreases by 12%, then what will be the percentage change in the total cost of 5 washing machines and 4 TVs?

Ans ✗ A. Increase by 4%

✗ B. Decrease by 1%

✗ C. Decrease by 11%

✓ D. Increase by 6.6%

Question ID : **441009833422**
Option 1 ID : **4410093286806**
Option 2 ID : **4410093286805**
Option 3 ID : **4410093286807**
Option 4 ID : **4410093286804**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.6 Pipes A and B can fill an empty cistern in 28 minutes and 56 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 19 minutes?

Ans ✗ A. 12 minutes

✗ B. 15 minutes

✗ C. 10 minutes

✓ D. 18 minutes

Question ID : **441009835612**
Option 1 ID : **4410093295566**
Option 2 ID : **4410093295565**
Option 3 ID : **4410093295567**
Option 4 ID : **4410093295564**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The cost price of an article is ₹170, and its marked price is ₹476. If the seller offers a 50% discount on the marked price, what is his profit percentage?

Ans ✗ A. 39%

✗ B. 42%

✓ C. 40%

✗ D. 43%

Question ID : **441009833372**
Option 1 ID : **4410093286605**
Option 2 ID : **4410093286607**
Option 3 ID : **4410093286604**
Option 4 ID : **4410093286606**
Status : **Answered**
Chosen Option : **C**

Q.8 Water flows out through a circular pipe whose internal diameter is 2 cm, at the rate of 5 metres per second into a cylindrical tank, the radius of whose base is 100 cm. By how much will the level of water rise in 30 minutes?

Ans ✗ A. 94 cm

✗ B. 95 cm

✓ C. 90 cm

✗ D. 92 cm

Question ID : **441009836510**
Option 1 ID : **4410093299159**
Option 2 ID : **4410093299157**
Option 3 ID : **4410093299156**
Option 4 ID : **4410093299158**
Status : **Not Answered**
Chosen Option : **--**

Q.9 A manufacturer fixes his selling price at 25% over the cost of production. If the cost of production goes up by 25%, and the manufacturer raises his selling price by 32%, find the new profit percentage.

Ans ✗ A. 33%

✗ B. 30%

✗ C. 34%

✓ D. 32%

Question ID : **441009833360**
Option 1 ID : **4410093286559**
Option 2 ID : **4410093286557**
Option 3 ID : **4410093286558**
Option 4 ID : **4410093286556**
Status : **Not Answered**
Chosen Option : **--**

Q.10 P, Q and R started a business by investing ₹1,830, ₹970, and ₹860, respectively. If Q's share in the profit earned is ₹575. what is the difference in the profits earned by P and R?

Ans ✗ A. ₹573

✗ B. ₹572

✓ C. ₹575

✗ D. ₹574

Q.11 Evaluate: $866^2 - 134^2$

Ans ✓ A. 732000

✗ B. 733000

✗ C. 730000

✗ D. 731000

Q.12 What is the mode of the following data?
90, 64, 69, 64, 68, 80, 60, 79, 64, 66, 62, 76, 68, 71, 62, 66, 76, 66, 68, 90, 80, 86, 64, 72, 75, 73, 64

Ans ✓ A. 64

✗ B. 68

✗ C. 69

✗ D. 90

Q.13 A person walks a distance of 1600 metres in five minutes. Find their speed in km/hr.

Ans   ✗ A. 18.5

     ✗ B. 19.6

     ✓ C. 19.2

     ✗ D. 20.2

Question ID : **441009833343**
Option 1 ID : **4410093286491**
Option 2 ID : **4410093286488**
Option 3 ID : **4410093286490**
Option 4 ID : **4410093286489**
Status : **Answered**
Chosen Option : **C**

Q.14 Which positive number should replace both the question marks in the following equation?

$$\frac{?}{13} = \frac{637}{?}$$

Ans   ✓ A. 91

     ✗ B. 90

     ✗ C. 83

     ✗ D. 87

Question ID : **441009834481**
Option 1 ID : **4410093291040**
Option 2 ID : **4410093291043**
Option 3 ID : **4410093291042**
Option 4 ID : **4410093291041**
Status : **Answered**
Chosen Option : **A**

Q.15 A field is in the shape of a right angled triangle whose base is 32 m and height is 23 m. What is the cost of leveling the field at the rate of ₹33 per square metre?

Ans   ✗ A. ₹11,266

     ✗ B. ₹14,168

     ✓ C. ₹12,144

     ✗ D. ₹13,123

Question ID : **441009836482**
Option 1 ID : **4410093299047**
Option 2 ID : **4410093299044**
Option 3 ID : **4410093299046**
Option 4 ID : **4410093299045**
Status : **Answered**
Chosen Option : **C**

Q.16 How long will it take for an investment of ₹7,000 to grow to ₹14,000, at an interest rate of 10% compounded annually? (Rounded off to the next nearest integer.)

(Given log (1.1) = 0.0413 and log 2 = 0.3010)

Ans ✗ A. 10 years

✗ B. 7 years

✗ C. 9 years

✔ D. 8 years

Q.17 Vikas spends 20% of his monthly salary on house rent; 36% of the remaining, he spends on his children's education; and 45% of the remaining salary, he spends on food. After his expenditures, he is left with ₹5,632. Find the monthly salary of Vikas.

Ans ✗ A. ₹23,500

✗ B. ₹21,500

✔ C. ₹20,000

✗ D. ₹22,000

Q.18 ABCD is a quadrilateral with angles $\angle A = 3(x - 3)°$, $\angle B = 2(2x$

What is the value of $\angle B$?

Ans ✗ A. $112°$

✗ B. $125°$

✗ C. $118°$

✔ D. $122°$

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Q.19 I walk at a speed of 4 km/hr and reach my destination in 3 hours. If I increase my speed by 6 km/hr, how much earlier would I reach the destination?

Ans ✔ A. 1.8 hours

✘ B. 2 hours

✘ C. 1.6 hours

✘ D. 1.4 hours

Question ID : **441009835677**
Option 1 ID : **4410093295824**
Option 2 ID : **4410093295826**
Option 3 ID : **4410093295825**
Option 4 ID : **4410093295827**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The average of 6.5, 10.7, 20 and a is 17. The value of a is:

Ans ✘ A. 29.8

✘ B. 32.8

✘ C. 31.8

✔ D. 30.8

Question ID : **441009833624**
Option 1 ID : **4410093287613**
Option 2 ID : **4410093287615**
Option 3 ID : **4410093287614**
Option 4 ID : **4410093287612**
Status : **Answered**
Chosen Option : **D**

Q.21 Ramesh bought 20 kg tomatoes at ₹48 per two kg, 30 kg tomatoes at ₹40 per two kg, and 10 kg tomatoes at ₹30 per 3 kg. Find the average cost of tomatoes per five kg (nearest in ₹).

Ans ✔ A. ₹98

✘ B. ₹105

✘ C. ₹89

✘ D. ₹86

Question ID : **441009833348**
Option 1 ID : **4410093286510**
Option 2 ID : **4410093286511**
Option 3 ID : **4410093286509**
Option 4 ID : **4410093286508**
Status : **Not Answered**
Chosen Option : **--**

Q.22 A person sold a table at a profit of $6\frac{1}{2}$%. If he had sold it for ₹1,20(

Ans ✘ A. ₹9,500

     ✔ B. ₹9,600

     ✘ C. ₹9,700

     ✘ D. ₹9,800

Q.23 A man sold an article for ₹624 by first giving a d% discount on its marked price, and then another discount having the same nominal value (in ₹). If the marked price of the article is ₹1,040, then what is the value of d?

Ans ✔ A. 20

     ✘ B. 25

     ✘ C. 18

     ✘ D. 24

Q.24 If the mean of the following data is 51, then the value of X is:

xi	40	50	60	65
fi	19	X	16	26

Ans ✔ A. 299

     ✘ B. 290

     ✘ C. 326

     ✘ D. 295

Q.25 The smallest 1-digit number to be added to the 6-digit number 166033 so that it is completely divisible by 11 is:

Ans ✅ A. 1

❌ B. 3

❌ C. 9

❌ D. 6

Question ID : **441009835562**
Option 1 ID : **4410093295364**
Option 2 ID : **4410093295365**
Option 3 ID : **4410093295367**
Option 4 ID : **4410093295366**
Status : **Answered**
Chosen Option : **A**

Q.26 The sum of the age of A and 5 times the age of B is 67 years. When 9 times the age of A is added to 5 times the age of B, the result is 83 years. The sum of the ages (in years) of A and B is:

Ans ❌ A. 20

✅ B. 15

❌ C. 13

❌ D. 11

Question ID : **441009833165**
Option 1 ID : **4410093285779**
Option 2 ID : **4410093285776**
Option 3 ID : **4410093285778**
Option 4 ID : **4410093285777**
Status : **Not Answered**
Chosen Option : **--**

Q.27 Trisha and Riya together invested ₹44,700 in a business. At the end of the year, out of a total profit of ₹5,000, Trisha's share was ₹1,700. What was the investment of Riya?

Ans ❌ A. ₹29,140

❌ B. ₹28,740

❌ C. ₹29,005

✅ D. ₹29,502

Question ID : **441009834492**
Option 1 ID : **4410093291087**
Option 2 ID : **4410093291085**
Option 3 ID : **4410093291086**
Option 4 ID : **4410093291084**
Status : **Answered**
Chosen Option : **D**

Q.28 Three numbers are in the ratio 9 : 17 : 13, and their LCM is 7956. Their HCF is:

Ans   ✗ A. 40

     ✓ B. 4

     ✗ C. 21

     ✗ D. 20

Question ID : **441009835937**
Option 1 ID : **4410093296866**
Option 2 ID : **4410093296864**
Option 3 ID : **4410093296865**
Option 4 ID : **4410093296867**
Status : **Not Answered**
Chosen Option : **--**

Q.29 At what rate percent per annum will the simple interest on a sum of ₹12,000 be ₹2,496 in two years?

Ans   ✗ A. 8.6%

     ✗ B. 7.5%

     ✓ C. 10.4%

     ✗ D. 9.8%

Question ID : **441009833345**
Option 1 ID : **4410093286497**
Option 2 ID : **4410093286496**
Option 3 ID : **4410093286499**
Option 4 ID : **4410093286498**
Status : **Not Answered**
Chosen Option : **--**

Q.30 The average price of three items of furniture is ₹17,235. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

Ans   ✓ A. 10,341

     ✗ B. 5,745

     ✗ C. 8,043

     ✗ D. 3,447

Question ID : **441009833462**
Option 1 ID : **4410093286964**
Option 2 ID : **4410093286966**
Option 3 ID : **4410093286967**
Option 4 ID : **4410093286965**
Status : **Answered**
Chosen Option : **D**

Section : **General Awareness**

Q.1 What record is the Shinkun La Tunnel set to achieve?

Ans ✗ A. Longest tunnel in India

✗ B. Deepest underwater tunnel

✔ C. Highest tunnel in the world

✗ D. Fastest constructed tunnel

Question ID : **441009704925**
Option 1 ID : **4410092773726**
Option 2 ID : **4410092773728**
Option 3 ID : **4410092773727**
Option 4 ID : **4410092773729**
Status : **Not Answered**
Chosen Option : **--**

Q.2 What percentage of ethanol blending was successfully achieved during the Ethanol Supply Year 2023-24 (November-October)?

Ans ✗ A. 0.15%

✗ B. 10.2%

✗ C. 13.8%

✔ D. 14.6%

Question ID : **441009705006**
Option 1 ID : **4410092774052**
Option 2 ID : **4410092774050**
Option 3 ID : **4410092774053**
Option 4 ID : **4410092774051**
Status : **Not Answered**
Chosen Option : **--**

Q.3 In case of conflict between the Union and State law on a subject in the Concurrent List, the _____ will prevail.

Ans ✗ A. Governor's discretion

✔ B. State law

✗ C. Union law

✗ D. Supreme Court's decision

Question ID : **441009705202**
Option 1 ID : **4410092774841**
Option 2 ID : **4410092774838**
Option 3 ID : **4410092774839**
Option 4 ID : **4410092774840**
Status : **Answered**
Chosen Option : **C**

Q.4 What was the pattern of trade between India and the West during the 16th-17th centuries?

Ans ✗ A. European goods were in greater demand in India than Indian goods in Europe.

✗ B. There was equal demand for Indian and European goods in both regions.

✗ C. Trade was balanced between India and the West.

✓ D. Indian goods were in greater demand in Europe than European goods in India.

Question ID : **441009705071**
Option 1 ID : **4410092774310**
Option 2 ID : **4410092774312**
Option 3 ID : **4410092774313**
Option 4 ID : **4410092774311**
Status : **Answered**
Chosen Option : **D**

Q.5 How many key points will be covered in the structured questionnaire for Census 2025?

Ans ✓ A. 31

✗ B. 40

✗ C. 25

✗ D. 21

Question ID : **441009890411**
Option 1 ID : **4410093515630**
Option 2 ID : **4410093515631**
Option 3 ID : **4410093515629**
Option 4 ID : **4410093515628**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Which type of forests in India is known as 'Monsoon Forests'?

Ans ✗ A. Alpine forests

✓ B. Tropical deciduous forests

✗ C. Evergreen forests

✗ D. Thorn forests

Question ID : **441009704994**
Option 1 ID : **4410092774005**
Option 2 ID : **4410092774003**
Option 3 ID : **4410092774002**
Option 4 ID : **4410092774004**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 Which season in India is characterised by the retreating monsoon winds?

Ans ✗ A. Winter

✗ B. Spring

✓ C. Autumn

✗ D. Summer

Question ID : **441009704995**
Option 1 ID : **4410092774006**
Option 2 ID : **4410092774009**
Option 3 ID : **4410092774008**
Option 4 ID : **4410092774007**
Status : **Answered**
Chosen Option : **B**

Q.8 At which place in India did the SLINEX 2024, a bilateral naval exercise between India and Sri Lanka, take place?

Ans ✗ A. Cochin

✗ B. Chennai

✓ C. Vishakhapatnam

✗ D. Kolkata

Question ID : **441009890462**
Option 1 ID : **4410093515834**
Option 2 ID : **4410093515835**
Option 3 ID : **4410093515832**
Option 4 ID : **4410093515833**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Since the 1991 economic reforms, which of the following measures has most notably influenced India's agricultural sector by encouraging greater market orientation and competitiveness?

Ans ✗ A. Increased state control over crop pricing

✗ B. Expansion of government-run procurement agencies without change

✗ C. Enhanced emphasis on traditional subsistence farming practices

✓ D. Liberalisation of agricultural trade policies

Question ID : **441009704923**
Option 1 ID : **4410092773719**
Option 2 ID : **4410092773720**
Option 3 ID : **4410092773721**
Option 4 ID : **4410092773718**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Who were the extremist leaders that wanted the Swadeshi Movement to be intensified throughout India and extended to total independence?

Ans ✗ A. Gopal Krishna Gokhale, Dadabhai Naoroji, Madan Mohan Malaviya

✓ B. Bal Gangadhar Tilak, Bipin Chandra Pal, Lala Lajpat Rai, Aurobindo Ghosh

✗ C. Mahatma Gandhi, Sardar Patel, Maulana Azad

✗ D. Jawaharlal Nehru, Subhas Chandra Bose, Bhagat Singh

Question ID : **441009705063**
Option 1 ID : **4410092774279**
Option 2 ID : **4410092774278**
Option 3 ID : **4410092774281**
Option 4 ID : **4410092774280**
Status : **Answered**
Chosen Option : **B**

Q.11 Which of the following dynasties that originally belonged to Western China, are also called Yueh-chis?

Ans ✗ A. Sakas

✗ B. Satavahanas

✗ C. Shungas

✓ D. Kushanas

Question ID : **441009705055**
Option 1 ID : **4410092774246**
Option 2 ID : **4410092774249**
Option 3 ID : **4410092774247**
Option 4 ID : **4410092774248**
Status : **Answered**
Chosen Option : **D**

Q.12 Which of the following is NOT a constitutional body under the Indian Constitution?

Ans ✗ A. Comptroller and Auditor General of India

✗ B. Union Public Service Commission

✓ C. National Human Rights Commission

✗ D. Election Commission of India

Question ID : **441009705208**
Option 1 ID : **4410092774864**
Option 2 ID : **4410092774865**
Option 3 ID : **4410092774863**
Option 4 ID : **4410092774862**
Status : **Answered**
Chosen Option : **C**

Q.13 What is the new limit for collateral free agricultural loans by RBI, effective 1 January 2025?

Ans ✗ A. ₹3 lakh

✗ B. ₹1.5 lakh

✗ C. ₹2.5 lakh

✓ D. ₹2 lakh

Question ID : **441009890458**
Option 1 ID : **4410093515819**
Option 2 ID : **4410093515816**
Option 3 ID : **4410093515818**
Option 4 ID : **4410093515817**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which of the following is a well-known Harappan sculpture that depicts a male figure?

Ans ✗ A. The Yaksha Statue

✗ B. The Pillar of Ashoka

✗ C. The Lion Capital

✓ D. The Bearded Priest

Question ID : **441009866082**
Option 1 ID : **4410093417454**
Option 2 ID : **4410093417455**
Option 3 ID : **4410093417453**
Option 4 ID : **4410093417452**
Status : **Answered**
Chosen Option : **D**

Q.15 What is the key function of a municipal corporation in an urban area?

Ans ✗ A. To manage election campaigns for state governments

✓ B. To provide urban infrastructure and public services

✗ C. To regulate national-level economic policies

✗ D. To control rural development programmes

Question ID : **441009705184**
Option 1 ID : **4410092774768**
Option 2 ID : **4410092774767**
Option 3 ID : **4410092774769**
Option 4 ID : **4410092774766**
Status : **Answered**
Chosen Option : **B**

Section : **General Science**

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Q.1 Which type of meristematic tissue is present at the growing end of roots?

Ans ✅ A. Apical meristem

❌ B. Internodal meristematic tissue

❌ C. Intercalary meristem

❌ D. Lateral meristem

Question ID : **441009651843**
Option 1 ID : **4410092561641**
Option 2 ID : **4410092561644**
Option 3 ID : **4410092561642**
Option 4 ID : **4410092561643**
Status : **Answered**
Chosen Option : **A**

Q.2 The male reproductive part of a flower is called as the:

Ans ❌ A. sepal

✅ B. stamen

❌ C. petal

❌ D. pistil

Question ID : **441009651868**
Option 1 ID : **4410092561741**
Option 2 ID : **4410092561743**
Option 3 ID : **4410092561742**
Option 4 ID : **4410092561744**
Status : **Answered**
Chosen Option : **B**

Q.3 Why are metals like potassium and sodium kept immersed in kerosene oil?

Ans ❌ A. To improve their conductivity

❌ B. To prevent them from rusting

✅ C. To protect them from reacting with oxygen and catching fire

❌ D. To enhance their reactivity

Question ID : **441009647522**
Option 1 ID : **4410092544149**
Option 2 ID : **4410092544146**
Option 3 ID : **4410092544147**
Option 4 ID : **4410092544148**
Status : **Answered**
Chosen Option : **C**

Q.4 One of the best methods for the large scale manufacturing of sodium hydroxide is
_____.

Ans ✘ A. electrolysis of ammonia

✘ B. electrolysis of acetic acid

✘ C. electrolysis of water

✔ D. electrolysis of brine

Question ID : **441009647463**
Option 1 ID : **4410092543913**
Option 2 ID : **4410092543910**
Option 3 ID : **4410092543911**
Option 4 ID : **4410092543912**
Status : **Answered**
Chosen Option : **D**

Q.5 Which of the following movements is NOT related to growth?

Ans ✘ A. Growth of root towards earth

✘ B. Movement of pollen tube towards ovule

✔ C. The movement of the sensitive plant in response to touch

✘ D. Growth of shoot towards light

Question ID : **441009651908**
Option 1 ID : **4410092561904**
Option 2 ID : **4410092561903**
Option 3 ID : **4410092561901**
Option 4 ID : **4410092561902**
Status : **Answered**
Chosen Option : **C**

Q.6 An electric current in a conductor is constituted by:

Ans ✔ A. flowing electric charge

✘ B. light waves

✘ C. sound waves

✘ D. static electric charge

Question ID : **441009654742**
Option 1 ID : **4410092573263**
Option 2 ID : **4410092573264**
Option 3 ID : **4410092573265**
Option 4 ID : **4410092573262**
Status : **Answered**
Chosen Option : **A**

Q.7 The covering of the nucleus that is double-layered is called _____.

Ans ✗ A. nuclear pore

✗ B. nucleoplasm

✗ C. nuclear lamina

✔ D. nuclear membrane

Question ID : **441009651899**
Option 1 ID : **4410092561865**
Option 2 ID : **4410092561866**
Option 3 ID : **4410092561868**
Option 4 ID : **4410092561867**
Status : **Answered**
Chosen Option : **D**

Q.8 A hydrocarbon has the molecular formula C_5H_{12}. If one hydrogen atom at the second carbon is replaced by a hydroxyl (-OH) group, what is the correct IUPAC name of the compound?

Ans ✗ A. Pentanol

✗ B. 1-Pentanol

✔ C. 2-Pentanol

✗ D. 2-Methylbutanol

Question ID : **441009647483**
Option 1 ID : **4410092543990**
Option 2 ID : **4410092543993**
Option 3 ID : **4410092543991**
Option 4 ID : **4410092543992**
Status : **Answered**
Chosen Option : **C**

Q.9 Which of the following statements are true about the colloids?

i. A colloid is a heterogeneous mixture.
ii. The size of particles of a colloid is too small to be individually seen with naked eyes.
iii. They cannot be separated from the mixture by the process of filtration. But a special technique of separation known as centrifugation can be used to separate the colloidal particles.

Ans ✔ A. i, ii and iii

✗ B. Only i and ii

✗ C. Only i and iii

✗ D. Only ii and iii

Question ID : **441009647544**
Option 1 ID : **4410092544237**
Option 2 ID : **4410092544234**
Option 3 ID : **4410092544235**
Option 4 ID : **4410092544236**
Status : **Answered**
Chosen Option : **A**

Q.10 If an object is placed between the focus F1 and the optical centre of a convex lens, the image formed is:

Ans ✓ A. enlarged and virtual

✗ B. enlarged and real

✗ C. diminished and virtual

✗ D. diminished and real

Question ID : **441009654745**
Option 1 ID : **4410092573275**
Option 2 ID : **4410092573276**
Option 3 ID : **4410092573274**
Option 4 ID : **4410092573277**
Status : **Answered**
Chosen Option : **B**

Q.11 What happens to the deflection of the needle of a compass if the compass is moved away from a current carrying copper wire?

Ans ✗ A. The deflection is at its maximum.

✗ B. The deflection remains unchanged.

✓ C. The deflection decreases.

✗ D. The deflection increases.

Question ID : **441009654711**
Option 1 ID : **4410092573141**
Option 2 ID : **4410092573140**
Option 3 ID : **4410092573138**
Option 4 ID : **4410092573139**
Status : **Answered**
Chosen Option : **D**

Q.12 Which of the following is the correct definition of a homologous series?

Ans ✗ A. A series of compounds with the same molecular formula.

✗ B. A group of compounds with varying physical and chemical properties.

✗ C. A series of compounds with different functional groups.

✓ D. A series of compounds having the same functional group and similar chemical properties.

Question ID : **441009647498**
Option 1 ID : **4410092544052**
Option 2 ID : **4410092544050**
Option 3 ID : **4410092544051**
Option 4 ID : **4410092544053**
Status : **Not Answered**
Chosen Option : **--**

Q.13 A coconut falling from a tall coconut tree possesses which of the following forms of energy?

Ans ✔ A. Kinetic energy

✘ B. Magnetic energy

✘ C. Chemical energy

✘ D. Electrical energy

Question ID : **441009654727**
Option 1 ID : **4410092573202**
Option 2 ID : **4410092573203**
Option 3 ID : **4410092573204**
Option 4 ID : **4410092573205**
Status : **Answered**
Chosen Option : **A**

Q.14 The primary consumers occupy the _____ trophic level in the food chain.

Ans ✘ A. third

✔ B. second

✘ C. first

✘ D. fourth

Question ID : **441009651863**
Option 1 ID : **4410092561723**
Option 2 ID : **4410092561722**
Option 3 ID : **4410092561721**
Option 4 ID : **4410092561724**
Status : **Answered**
Chosen Option : **B**

Q.15 Consider motion of an object along a straight line. If the object is allowed to change its path, which of the following is NOT true?

Ans ✘ A. Distance can never be zero.

✘ B. Displacement can be zero.

✘ C. Distance is always greater than or equal to the displacement.

✔ D. Distance can be zero.

Question ID : **441009654704**
Option 1 ID : **4410092573111**
Option 2 ID : **4410092573112**
Option 3 ID : **4410092573113**
Option 4 ID : **4410092573110**
Status : **Answered**
Chosen Option : **D**

Section : **Logical Reasoning General Intelligence**

Q.1 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 letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans ✗ A. KNK

✗ B. TWT

✓ C. YNM

✗ D. NQN

Question ID : **441009841047**
Option 1 ID : **4410093317256**
Option 2 ID : **4410093317258**
Option 3 ID : **4410093317259**
Option 4 ID : **4410093317257**
Status : **Answered**
Chosen Option : **C**

Q.2 In a certain code language, 'GOAT' is coded as '1!9&' and 'ALOT' is coded as '&91#'. What is the code for 'L' in the given code language? 2759

Ans ✗ A. 9

✗ B. 1

✗ C. &

✓ D. #

Question ID : **441009841089**
Option 1 ID : **4410093317425**
Option 2 ID : **4410093317426**
Option 3 ID : **4410093317424**
Option 4 ID : **4410093317427**
Status : **Answered**
Chosen Option : **D**

Q.3 What should come in place of the question mark (?) in the given series?

314 315 317 320 324 ? 423

Ans ✗ A. 328

✓ B. 329

✗ C. 327

✗ D. 326

Question ID : **441009844467**
Option 1 ID : **4410093330734**
Option 2 ID : **4410093330735**
Option 3 ID : **4410093330733**
Option 4 ID : **4410093330732**
Status : **Answered**
Chosen Option : **B**

Q.4 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).

Statement:
Some houses are villas.
Some villas are flats.

Conclusion:
I: Some houses are flats.
II: No houses are flats..

Ans ✘ A. Both conclusions (I) and (II) follow.

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

✘ C. Only conclusion (I) follows.

✘ D. Only conclusion (II) follows.

Question ID : **441009841134**
Option 1 ID : **4410093317607**
Option 2 ID : **4410093317606**
Option 3 ID : **4410093317604**
Option 4 ID : **4410093317605**
Status : **Answered**
Chosen Option : **B**

Q.5 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ U $ K Q & R E S * £ B Ω Y # G C & T % D A (Right)

How many such symbols are there which are immediately preceded by a letter and also immediately followed by another symbol?173

Ans ✔ A. One

✘ B. Three

✘ C. Two

✘ D. Four

Question ID : **441009838503**
Option 1 ID : **4410093307080**
Option 2 ID : **4410093307082**
Option 3 ID : **4410093307081**
Option 4 ID : **4410093307083**
Status : **Answered**
Chosen Option : **A**

Q.6 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. B is kept fourth from the top. Only D is kept between F and G. B is kept immediately above F. Only C is kept between A and E. E is not kept at the topmost position. Which box is second from the top?2915

Ans   ✔ A. C

   ✘ B. E

   ✘ C. D

   ✘ D. G

Question ID : **441009841245**
Option 1 ID : **4410093318049**
Option 2 ID : **4410093318051**
Option 3 ID : **4410093318048**
Option 4 ID : **4410093318050**
Status : **Answered**
Chosen Option : **A**

Q.7 If + means −, − means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?
$22 + 4 − 6 ÷ 28 × 4 = ?$556

Ans   ✘ A. 0

   ✘ B. 1

   ✘ C. 9

   ✔ D. 5

Question ID : **441009844600**
Option 1 ID : **4410093331264**
Option 2 ID : **4410093331265**
Option 3 ID : **4410093331267**
Option 4 ID : **4410093331266**
Status : **Answered**
Chosen Option : **D**

Q.8 The position(s) of how many letters will remain unchanged if each of the letters in the word JAVELIN is arranged in the English alphabetical order?201

Ans   ✘ A. Three

   ✘ B. None

   ✘ C. Two

   ✔ D. One

Question ID : **441009838531**
Option 1 ID : **4410093307195**
Option 2 ID : **4410093307192**
Option 3 ID : **4410093307194**
Option 4 ID : **4410093307193**
Status : **Answered**
Chosen Option : **D**

Q.9 If each even digit is multiplied by 2 in the number 2719453 and the resulting new number is rearranged in descending order, which of the following digits is second from the right of the number thus formed? 467

Ans ✗ A. 5

✗ B. 8

✔ C. 3

✗ D. 9

Question ID : **441009844511**
Option 1 ID : **4410093330910**
Option 2 ID : **4410093330911**
Option 3 ID : **4410093330908**
Option 4 ID : **4410093330909**
Status : **Answered**
Chosen Option : **C**

Q.10 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) 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 cats are dogs.
All cats are rats.

Conclusions:
(I) Some dogs are rats.
(II) All rats are cats. 29.69

Ans ✗ A. Only conclusion (II) follows.

✔ B. Only conclusion (I) follows.

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

✗ D. Neither conclusion (I) nor (II) follows.

Question ID : **441009841299**
Option 1 ID : **4410093318265**
Option 2 ID : **4410093318264**
Option 3 ID : **4410093318267**
Option 4 ID : **4410093318266**
Status : **Answered**
Chosen Option : **B**

Q.11 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
  ✗ A. WK - UL

  ✗ B. DP - BQ

  ✗ C. CP - AQ

  ✓ D. MQ - PT

Q.12 Each letter in the word PRECAUTION is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed? 2721

Ans
  ✗ A. Z

  ✗ B. H

  ✗ C. S

  ✓ D. Q

Q.13 David starts from Point A and drives 8 km towards the East. He then takes a right turn, drives 5 km, turns right and drives 10 km. He then takes a right turn and drives 13 km. He takes a final right turn, drives 2 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)
2735

Ans
  ✗ A. 8 km to the North

  ✗ B. 7 km to the South

  ✓ C. 8 km to the South

  ✗ D. 7 km to the North

Q.14 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

HCW : FGT
PHX : NLU 2751

Ans   ✔️ A. WCJ : UGG

     ❌ B. JBI : HFG

     ❌ C. QDN : OIK

     ❌ D. ZHR : XLP

Question ID : **441009841081**
Option 1 ID : **4410093317392**
Option 2 ID : **4410093317393**
Option 3 ID : **4410093317395**
Option 4 ID : **4410093317394**
Status : **Answered**
Chosen Option : **A**

Q.15 Which of the following letter number clusters will replace the question mark (?) in the given series to make it logically complete?
BQ 91, XS 77, TU 63, PW 49, ? 2521

Ans   ❌ A. JX 30

     ❌ B. MZ 31

     ❌ C. NZ 38

     ✔️ D. LY 35

Question ID : **441009840851**
Option 1 ID : **4410093316474**
Option 2 ID : **4410093316473**
Option 3 ID : **4410093316475**
Option 4 ID : **4410093316472**
Status : **Answered**
Chosen Option : **D**

Q.16 The position(s) of how many letters will remain unchanged if each letter in the word ATMOSPHERIC is arranged in alphabetical order?

2542

Ans   ❌ A. Three

     ✔️ B. Two

     ❌ C. More than three

     ❌ D. One

Question ID : **441009840872**
Option 1 ID : **4410093316557**
Option 2 ID : **4410093316558**
Option 3 ID : **4410093316556**
Option 4 ID : **4410093316559**
Status : **Answered**
Chosen Option : **D**

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Q.17 Seven people A, B, D, J, L, P and V are sitting in a row facing south. L sits second to the right of P, who is third to the right of V. Only two people sit between B and L. D sits to the immediate right of V. J sits second to the right of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?2494

Ans ✗ A. DV

✗ B. AP

✗ C. BD

✓ D. LJ

Question ID : **441009840824**
Option 1 ID : **4410093316366**
Option 2 ID : **4410093316364**
Option 3 ID : **4410093316365**
Option 4 ID : **4410093316367**
Status : **Answered**
Chosen Option : **D**

Q.18 The position(s) of how many letters will remain unchanged if each letter in the word REACTION is arranged in English alphabetical order?2671

Ans ✗ A. One

✗ B. Two

✗ C. Three

✓ D. None

Question ID : **441009841001**
Option 1 ID : **4410093317073**
Option 2 ID : **4410093317074**
Option 3 ID : **4410093317075**
Option 4 ID : **4410093317072**
Status : **Answered**
Chosen Option : **D**

Q.19 Mr. Year starts from Point A and drives 28 km towards the north. He then takes a right turn, drives 13 km, turns right and drives 14 km. He then takes a left turn, drives 7 km, turns right and drives 18 km. He then takes a right turn and drives 25 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-degree turns only unless specified.)2585

Ans ✓ A. 5 km to the east

✗ B. 5 km to the west

✗ C. 6 km to the north

✗ D. 6 km to the south

Question ID : **441009840915**
Option 1 ID : **4410093316728**
Option 2 ID : **4410093316729**
Option 3 ID : **4410093316730**
Option 4 ID : **4410093316731**
Status : **Answered**
Chosen Option : **A**

Q.20 In a certain code language,
‘A + B’ means ‘A is the sister of B’,
‘A – B’ means ‘A is the brother of B’,
‘A × B’ means ‘A is the wife of B’ and
‘A ÷ B’ means ‘A is the father of B’.

How is W related to Y if ‘W + E × R ÷ T – Y’?197

Ans ✔ A. Mother's sister

✘ B. Mother's mother

✘ C. Father's mother

✘ D. Father's sister

Question ID : 441009838527
Option 1 ID : 4410093307176
Option 2 ID : 4410093307177
Option 3 ID : 4410093307179
Option 4 ID : 4410093307178
Status : Answered
Chosen Option : A

Q.21 Each vowel in the word PICTURE 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. Which of the following letters will be third from the left?164

Ans ✔ A. B

✘ B. V

✘ C. F

✘ D. S

Question ID : 441009838494
Option 1 ID : 4410093307045
Option 2 ID : 4410093307044
Option 3 ID : 4410093307047
Option 4 ID : 4410093307046
Status : Answered
Chosen Option : A

Q.22 In a certain code language, ‘PEON’ is coded as ‘1495’ and ‘CONE’ is coded as ‘9564’.
What is the code for ‘C’ in the given code language?2694

Ans ✔ A. 6

✘ B. 4

✘ C. 5

✘ D. 9

Question ID : 441009841024
Option 1 ID : 4410093317166
Option 2 ID : 4410093317164
Option 3 ID : 4410093317165
Option 4 ID : 4410093317167
Status : Answered
Chosen Option : A

Q.23 What will come in place of the question mark (?) in the following equation if '+' and '−' are interchanged and '×' and '÷' are interchanged?

14 ÷ 5 + 72 × 18 − 8 = ?23

Ans ✅ A. 74

     ❌ B. 68

     ❌ C. 62

     ❌ D. 64

Question ID : **441009844067**
Option 1 ID : **4410093329132**
Option 2 ID : **4410093329135**
Option 3 ID : **4410093329134**
Option 4 ID : **4410093329133**
Status : **Answered**
Chosen Option : **A**

Q.24 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: SOO :: RGK : %1975

Ans ❌ A. # = TMP, % = QHI

     ❌ B. # = UMN, % = PIM

     ❌ C. # = UMQ, % = PHI

     ✅ D. # = TNP, % = QHJ

Question ID : **441009840305**
Option 1 ID : **4410093314291**
Option 2 ID : **4410093314290**
Option 3 ID : **4410093314289**
Option 4 ID : **4410093314288**
Status : **Answered**
Chosen Option : **D**

Q.25 Seven people, B, D, I, K, M, O and R, are sitting in a row facing north. No one sits to the left of D. Only four people sit between D and M. Only three people sit to the right of K. I sits to the immediate left of B. O is not an immediate neighbour of K. How many people sit between O and K?2650

Ans ❌ A. One

     ❌ B. Three

     ✅ C. Two

     ❌ D. Four

Question ID : **441009840980**
Option 1 ID : **4410093316991**
Option 2 ID : **4410093316989**
Option 3 ID : **4410093316990**
Option 4 ID : **4410093316988**
Status : **Answered**
Chosen Option : **C**

Q.26 MW 22 is related to OR 6 in a certain way. In the same way, JR 9 is related to LM -7. To which of the following is UW 4 related, following the same logic? 2598

Ans   ✗ A. PV -8

    ✓ B. WR -12

    ✗ C. RV -9

    ✗ D. PR -10

Question ID : **441009840928**
Option 1 ID : **4410093316782**
Option 2 ID : **4410093316783**
Option 3 ID : **4410093316781**
Option 4 ID : **4410093316780**
Status : **Answered**
Chosen Option : **B**

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

238 217 196 ? 154 133 112479

Ans   ✗ A. 186

    ✗ B. 167

    ✗ C. 163

    ✓ D. 175

Question ID : **441009844523**
Option 1 ID : **4410093330957**
Option 2 ID : **4410093330958**
Option 3 ID : **4410093330959**
Option 4 ID : **4410093330956**
Status : **Answered**
Chosen Option : **D**

Q.28 In a certain code language,

'A / B' means 'A is the brother of B',
'A - B' means 'A is the mother of B',
'A ! B' means 'A is the father of B' and
'A ? B' means 'A is the wife of B'.

How is A related to Q if 'A - F / I ? O ! Q'?2596

Ans   ✗ A. Mother's daughter

    ✗ B. Mother's son

    ✓ C. Mother's mother

    ✗ D. Mother's father

Question ID : **441009840926**
Option 1 ID : **4410093316775**
Option 2 ID : **4410093316772**
Option 3 ID : **4410093316773**
Option 4 ID : **4410093316774**
Status : **Answered**
Chosen Option : **C**

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Q.29 Seven boxes A, B, C, D, F, G and I are kept one over the other but not necessarily in the same order. Only B is kept above F. Only C is kept between F and D. Only I is kept below A.

How many boxes are kept between G and I?2772

Ans   ✗ A. Three

    ✓ B. One

    ✗ C. Four

    ✗ D. Two

Question ID : **441009841102**
Option 1 ID : **4410093317478**
Option 2 ID : **4410093317476**
Option 3 ID : **4410093317479**
Option 4 ID : **4410093317477**
Status : **Answered**
Chosen Option : **B**

Q.30 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.)2502

Ans   ✗ A. BI – ZG

    ✗ B. LS – JQ

    ✗ C. DK – BI

    ✓ D. MS – KE

Question ID : **441009840832**
Option 1 ID : **4410093316397**
Option 2 ID : **4410093316398**
Option 3 ID : **4410093316396**
Option 4 ID : **4410093316399**
Status : **Answered**
Chosen Option : **D**

Section : **Knowledge about Railways DFCCIL**

Q.1 Indian Railways adopted the 25 kV 50 Hz AC traction system based on the technology of which country's railway system?

Ans   ✗ A. Japan

    ✓ B. France

    ✗ C. Germany

    ✗ D. United Kingdom

Question ID : **441009900700**
Option 1 ID : **4410093556873**
Option 2 ID : **4410093556871**
Option 3 ID : **4410093556870**
Option 4 ID : **4410093556872**
Status : **Not Answered**
Chosen Option : **--**

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Q.2 Over how many kilometres did the Indian Railways upgrade the track to support train speed upto 130 km/hr in 2024?

Ans ✗ A. Over 4,000 km

✓ B. Over 2,000 km

✗ C. Over 3,000 km

✗ D. Over 5,000 km

Question ID : **441009890638**
Option 1 ID : **4410093516538**
Option 2 ID : **4410093516536**
Option 3 ID : **4410093516537**
Option 4 ID : **4410093516539**
Status : **Not Answered**
Chosen Option : **--**

Q.3 How much budget has been allocated for further electrification projects of Indian Railways in the interim budget of 2024?

Ans ✗ A. ₹3,500 crore

✗ B. ₹5,500 crore

✓ C. ₹6,500 crore

✗ D. ₹4,500 crore

Question ID : **441009717201**
Option 1 ID : **4410092822778**
Option 2 ID : **4410092822776**
Option 3 ID : **4410092822775**
Option 4 ID : **4410092822777**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Eastern India's first passenger train service ran on 15 August 1854 between which two stations?

Ans ✗ A. Kolkata and Durgapur

✓ B. Howrah and Hooghly

✗ C. Howrah and Kolkata

✗ D. Howrah and Asansol

Question ID : **441009900723**
Option 1 ID : **4410093556964**
Option 2 ID : **4410093556963**
Option 3 ID : **4410093556962**
Option 4 ID : **4410093556965**
Status : **Answered**
Chosen Option : **C**

Q.5 While establishment, Dedicated Freight Corridor Corporation of Indian Limited (DFCCIL), which was to offer significant reduction of Green House Gas (GHG) emissions in the transport sector in India, was expected to save more than 450 million tons of CO_2 in the first _____ years of operation.

Ans ✗ A. 10

✓ B. 30

✗ C. 15

✗ D. 25

Question ID : **441009717164**
Option 1 ID : **4410092822627**
Option 2 ID : **4410092822630**
Option 3 ID : **4410092822628**
Option 4 ID : **4410092822629**
Status : **Not Answered**
Chosen Option : **--**

Q.6 According to the government report, how many locomotives were equipped with Kavach safety technology as part of railway safety measures until December 2024?

Ans ✗ A. 30,000 Locos

✗ B. 40,000 Locos

✓ C. 10,000 Locos

✗ D. 20,000 Locos

Question ID : **441009890622**
Option 1 ID : **4410093516474**
Option 2 ID : **4410093516475**
Option 3 ID : **4410093516472**
Option 4 ID : **4410093516473**
Status : **Not Answered**
Chosen Option : **--**

Q.7 As of January 2025, what is the total length of the Makarpura-Sachin section of the Western Dedicated Freight Corridor (DFC)?

Ans ✗ A. 151 km

✗ B. 141 km

✓ C. 135 km

✗ D. 139 km

Question ID : **441009890630**
Option 1 ID : **4410093516507**
Option 2 ID : **4410093516505**
Option 3 ID : **4410093516504**
Option 4 ID : **4410093516506**
Status : **Not Answered**
Chosen Option : **--**

Q.8 As of January 2024, what is the projected length of the East Coast Corridor, which traverses through three states of India?

Ans ✗ A. 1070 km

✓ B. 1080 km

✗ C. 1001 km

✗ D. 1090 km

Question ID : **441009890629**
Option 1 ID : **4410093516500**
Option 2 ID : **4410093516501**
Option 3 ID : **4410093516503**
Option 4 ID : **4410093516502**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Which of the following is NOT a function of DFCCIL?

Ans ✓ A. Passenger railway management

✗ B. Construction of freight corridors

✗ C. Operation and maintenance of freight corridors

✗ D. Mobilisation of financial resources

Question ID : **441009717230**
Option 1 ID : **4410092822893**
Option 2 ID : **4410092822891**
Option 3 ID : **4410092822892**
Option 4 ID : **4410092822894**
Status : **Answered**
Chosen Option : **A**

Q.10 During which year's Indian Railway Budget was the creation of Dedicated Freight Corridors announced?

Ans ✗ A. 2006-07

✗ B. 2004-05

✓ C. 2005-06

✗ D. 2007-08

Question ID : **441009717236**
Option 1 ID : **4410092822917**
Option 2 ID : **4410092822915**
Option 3 ID : **4410092822916**
Option 4 ID : **4410092822918**
Status : **Answered**
Chosen Option : **C**