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DFCCIL Executive

**Previous Year Paper
(Civil)
25 Aug, 2023 Shift 3**





Dedicated Freight Corridor Corporation of India Ltd.

A Government of India (Ministry of Railways) Enterprise

डेडीकेटेड फ्रेट कोरीडोर

Participant Id	
Participant Name	
Test Center Name	
Test Date	25/08/2023
Test Time	3:30 PM - 5:00 PM
Subject	Executive (Civil)

Section : Mathematics or Numerical Ability

Q.1 The angles of a triangle are in the ratio 15 : 2 : 1. What is the largest angle of the triangle?

- Ans
- ☒ 1. 100 degree
 - ☒ 2. 10 degree
 - ☒ 3. 20 degree
 - ☒ 4. 150 degree

Question ID : 630680323805
Option 1 ID : 6306801259715
Option 2 ID : 6306801259714
Option 3 ID : 6306801259713
Option 4 ID : 6306801259716
Status : Answered
Chosen Option : 4

Q.2 A train is travelling at the speed of 36 km/hr. How much time will the train take to cover a distance of 7/10 of a kilometer?

- Ans
- ☒ 1. 110 seconds
 - ☒ 2. 50 seconds
 - ☒ 3. 90 seconds
 - ☒ 4. 70 seconds

Question ID : 630680323811
Option 1 ID : 6306801259740
Option 2 ID : 6306801259737
Option 3 ID : 6306801259738
Option 4 ID : 6306801259739
Status : Answered
Chosen Option : 4



Q.3 A person goes to his office at the speed of 54 km/hr and reaches 18 minutes earlier. If he goes at the speed 36 km/hr, then he reaches 18 minutes late. What should be the speed to reach on the usual time?

- Ans**
- ☒ 1. $(289/5)$ km/hr
 - ☒ 2. $(192/5)$ km/hr
 - ☒ 3. $(216/5)$ km/hr
 - ☒ 4. $(512/5)$ km/hr

Question ID : 630680323812
Option 1 ID : 6306801259743
Option 2 ID : 6306801259742
Option 3 ID : 6306801259741
Option 4 ID : 6306801259744
Status : Answered
Chosen Option : 3

Q.4 If the number 3823P8 is divisible by 11, then what is the value of P?

- Ans**
- ☒ 1. 7
 - ☒ 2. 4
 - ☒ 3. 5
 - ☒ 4. 3

Question ID : 630680323795
Option 1 ID : 6306801259676
Option 2 ID : 6306801259674
Option 3 ID : 6306801259673
Option 4 ID : 6306801259675
Status : Answered
Chosen Option : 4

Q.5 Deepak alone can do a work in 24 hours. Deepak and Rohit together can do the same work in 20 hours. Rohit and Tarun together can do the same work in 16 hours. In how many hours can Tarun alone do the same work?

- Ans**
- ☒ 1. 240/13 hours
 - ☒ 2. 290/13 hours
 - ☒ 3. 248/17 hours
 - ☒ 4. 252/17 hours

Question ID : 630680323813
Option 1 ID : 6306801259745
Option 2 ID : 6306801259746
Option 3 ID : 6306801259748
Option 4 ID : 6306801259747
Status : Answered
Chosen Option : 1



Q.6 If the number of diagonals in a regular polygon is 9, then what is the sum of all the interior angles of the polygon?

- Ans**
- ☐ 1. 360 degree
 - ☐ 2. 540 degree
 - ☒ 3. 720 degree
 - ☐ 4. 900 degree

Question ID : 630680323821
Option 1 ID : 6306801259778
Option 2 ID : 6306801259780
Option 3 ID : 6306801259777
Option 4 ID : 6306801259779

Status : Not Answered

Chosen Option : --

Q.7 A dealer sells two laptops at the rate of Rs. 4680 per laptop. On one he gains 30 percent and on the other he suffers a loss of 40 percent. What is his percentage loss in the whole transaction?

- Ans**
- ☐ 1. 16.66 percent
 - ☐ 2. 13.25 percent
 - ☐ 3. 18 percent
 - ☒ 4. 17.89 percent

Question ID : 630680323803
Option 1 ID : 6306801259707
Option 2 ID : 6306801259708
Option 3 ID : 6306801259705
Option 4 ID : 6306801259706

Status : Not Answered

Chosen Option : --

Q.8 If the ratio of corresponding sides of two similar triangles is 5 : 7, then what is the ratio of the areas of the two triangles?

- Ans**
- ☐ 1. 125 : 49
 - ☒ 2. 25 : 49
 - ☐ 3. 25 : 7
 - ☐ 4. 5 : 7

Question ID : 630680323822
Option 1 ID : 6306801259784
Option 2 ID : 6306801259782
Option 3 ID : 6306801259783
Option 4 ID : 6306801259781

Status : Not Answered

Chosen Option : --



Q.9 Three circles of radius 35 cm are placed in such a way that each circle touches the other two. What will be the area of the portion enclosed by these three circles?

- Ans**
- ☒ 1. $1296\sqrt{3} - 1785 \text{ cm}^2$
 - ☒ 2. $1225\sqrt{3} - 1925 \text{ cm}^2$
 - ☒ 3. $841\sqrt{3} - 1025 \text{ cm}^2$
 - ☒ 4. $1632\sqrt{3} - 2085 \text{ cm}^2$

Question ID : 630680323818
Option 1 ID : 6306801259767
Option 2 ID : 6306801259766
Option 3 ID : 6306801259768
Option 4 ID : 6306801259765
Status : Not Answered
Chosen Option : --

Q.10 The marked price of a chair is Rs. 1200. This chair is sold at two successive discounts of 30 percent and 20 percent. What is the selling price of chair?

- Ans**
- ☒ 1. Rs. 324
 - ☒ 2. Rs. 576
 - ☒ 3. Rs. 680
 - ☒ 4. Rs. 672

Question ID : 630680323804
Option 1 ID : 6306801259712
Option 2 ID : 6306801259711
Option 3 ID : 6306801259709
Option 4 ID : 6306801259710
Status : Answered
Chosen Option : 4

Q.11 What is the value of $\sqrt{0.52 \times 0.52 + 0.31 \times 0.31 + 0.62 \times 0.52}$?

- Ans**
- ☒ 1. 0.73
 - ☒ 2. 0.83
 - ☒ 3. 0.93
 - ☒ 4. 0.63

Question ID : 630680323794
Option 1 ID : 6306801259669
Option 2 ID : 6306801259671
Option 3 ID : 6306801259670
Option 4 ID : 6306801259672
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.12 What is the value of $(45 \times 4 \div 91 \times 13) \div (14 \times 28 \div 7 \times 14)$?

- Ans ☒ 1. 45/1372
☐ 2. 31/1391
☐ 3. 37/1408
☐ 4. 37/1089

Question ID : 630680323796
Option 1 ID : 6306801259677
Option 2 ID : 6306801259679
Option 3 ID : 6306801259678
Option 4 ID : 6306801259680
Status : Answered
Chosen Option : 1

Q.13 A cone is kept on a cylinder. The base of cone and cylinder are identical. The height of the conical part is 36 cm and height of the cylindrical part is 24 cm. If the diameter of the cone is 14 cm, then what is the volume of the solid?

- Ans ☒ 1. 5544 cm³
☐ 2. 2772 cm³
☐ 3. 1672 cm²
☐ 4. 3344 cm³

Question ID : 630680323819
Option 1 ID : 6306801259770
Option 2 ID : 6306801259771
Option 3 ID : 6306801259772
Option 4 ID : 6306801259769
Status : Answered
Chosen Option : 1

Q.14 A 5 cm perpendicular line is drawn from the centre of the circle to a chord of length 24 cm. Find the diameter of the circle?

- Ans ☒ 1. 26 cm
☐ 2. 30 cm
☐ 3. 13 cm
☐ 4. 32 cm

Question ID : 630680323820
Option 1 ID : 6306801259773
Option 2 ID : 6306801259776
Option 3 ID : 6306801259774
Option 4 ID : 6306801259775
Status : Answered
Chosen Option : 1

Q.15 What is the average of first 49 odd natural numbers?

Ans ☒ 1. 49

☐ 2. 45

☐ 3. 43

☐ 4. 47

Question ID : 630680323797

Option 1 ID : 6306801259684

Option 2 ID : 6306801259682

Option 3 ID : 6306801259681

Option 4 ID : 6306801259683

Status : Answered

Chosen Option : 1

Q.16 By selling 200 bags for Rs. 380 a retailer loses 5 percent. To make a profit of 40 percent, how many bags should he sell for Rs. 196?

Ans ☐ 1. 80

☐ 2. 75

☐ 3. 60

☒ 4. 70

Question ID : 630680323802

Option 1 ID : 6306801259701

Option 2 ID : 6306801259702

Option 3 ID : 6306801259703

Option 4 ID : 6306801259704

Status : Not Answered

Chosen Option : --

Q.17 If $a + b + c = 6$ and $a^2 + b^2 + c^2 = 14$, then what is the value of $ab + bc + ca$?

Ans ☐ 1. 18

☐ 2. 16

☐ 3. 12

☒ 4. 11

Question ID : 630680323817

Option 1 ID : 6306801259762

Option 2 ID : 6306801259764

Option 3 ID : 6306801259761

Option 4 ID : 6306801259763

Status : Answered

Chosen Option : 4

Q.18 If $x^2 + \frac{1}{x^2} = 40$ and $x > 0$ then, what is the value of $x - \frac{1}{x}$?

Ans

✓ 1. $\sqrt{38}$

✗ 2. 40

✗ 3. $\sqrt{42}$

✗ 4. $\sqrt{21}$

Question ID : 630680323816

Option 1 ID : 6306801259758

Option 2 ID : 6306801259759

Option 3 ID : 6306801259757

Option 4 ID : 6306801259760

Status : Answered

Chosen Option : 1

Q.19 A person invested a total sum of Rs. 9400 in three different schemes of simple interest at the annual rate of 9 percent, 12 percent and 15 percent. At the end of one year he got same interest in all three schemes. What is the sum invested at the rate of 12 percent?

Ans

✗ 1. Rs. 3500

✗ 2. Rs. 4000

✓ 3. Rs. 3000

✗ 4. Rs. 3600

Question ID : 630680323808

Option 1 ID : 6306801259725

Option 2 ID : 6306801259727

Option 3 ID : 6306801259726

Option 4 ID : 6306801259728

Status : Not Answered

Chosen Option : --

Q.20 The compound interest on a certain sum for 3 years at the rate of 10 percent per annum is Rs. 3310. What will be the simple interest on the same sum for 6 years of the same rate of interest?

Ans

✗ 1. Rs. 7500

✗ 2. Rs. 7200

✓ 3. Rs. 6000

✗ 4. Rs. 6500

Question ID : 630680323809

Option 1 ID : 6306801259732

Option 2 ID : 6306801259731

Option 3 ID : 6306801259730

Option 4 ID : 6306801259729

Status : Not Attempted and
Marked For Review

Chosen Option : --



Q.21 In a 84 litres mixture the alcohol and water are in the ratio of 3 : 4 respectively. 14 litres of mixture is taken off and replaced with 20 litres of water. What is the new ratio of alcohol and water respectively?

- Ans**
- ☒ 1. 2 : 1
 - ☒ 2. 1 : 2
 - ☒ 3. 3 : 1
 - ☒ 4. 1 : 1

Question ID : 630680323807
Option 1 ID : 6306801259721
Option 2 ID : 6306801259722
Option 3 ID : 6306801259724
Option 4 ID : 6306801259723
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.22 The mean of 6, 8, $x + 2$, 10, $2x - 1$, 2 is 9. Find x .

- Ans**
- ☒ 1. 7
 - ☒ 2. 11
 - ☒ 3. 7.5
 - ☒ 4. 9

Question ID : 630680323815
Option 1 ID : 6306801259754
Option 2 ID : 6306801259755
Option 3 ID : 6306801259756
Option 4 ID : 6306801259753
Status : Answered
Chosen Option : 4

Q.23 Price of a diamond is directly proportional to square of its weight. A man broke the diamond accidentally in three pieces. The ratio of weights of these three pieces is 4 : 3 : 2. He loses Rs. 18720. What was the original price of the diamond?

- Ans**
- ☒ 1. Rs. 30250
 - ☒ 2. Rs. 54320
 - ☒ 3. Rs. 29160
 - ☒ 4. Rs. 37260

Question ID : 630680323806
Option 1 ID : 6306801259720
Option 2 ID : 6306801259719
Option 3 ID : 6306801259717
Option 4 ID : 6306801259718
Status : Not Answered
Chosen Option : --

Q.24 L's income is 125 percent of M's income and L's expenditure is 120 percent of M's expenditure. If L's income is 180 percent of M's expenditure, then what is the respective ratio of L's savings and M's savings?

- Ans**
- ☒ 1. 12 : 5
 - ☒ 2. 9 : 5
 - ☒ 3. 15 : 11
 - ☒ 4. 17 : 23

Question ID : 630680323801
Option 1 ID : 6306801259698
Option 2 ID : 6306801259699
Option 3 ID : 6306801259700
Option 4 ID : 6306801259697
Status : Not Answered
Chosen Option : --

Q.25 A sum amounts to Rs. 16464 at the rate of 40 percent per annum on compound interest (compounded annually) after three years. What is the sum?

- Ans**
- ☒ 1. Rs. 6700
 - ☒ 2. Rs. 6500
 - ☒ 3. Rs. 6000
 - ☒ 4. Rs. 7000

Question ID : 630680323810
Option 1 ID : 6306801259735
Option 2 ID : 6306801259733
Option 3 ID : 6306801259734
Option 4 ID : 6306801259736
Status : Answered
Chosen Option : 3

Q.26 If A alone can complete a work in 90 days and B alone can complete the same work in 120 days, then which of the following statement(s) is/are correct?

- I. Ratio of efficiency of A and B is 4 : 3.
- II. Working together A and B can complete the same work in 30 days.

- Ans**
- ☒ 1. Only II
 - ☒ 2. Both I and II
 - ☒ 3. Neither I nor II
 - ☒ 4. Only I

Question ID : 630680323814
Option 1 ID : 6306801259750
Option 2 ID : 6306801259751
Option 3 ID : 6306801259752
Option 4 ID : 6306801259749
Status : Answered
Chosen Option : 4

Q.27 In an exam, out of total number of appeared students 85 percent students passed and 2250 students failed. What is the total number of students appeared in the exam?

- Ans**
- ☒ 1. 15550
 - ☒ 2. 15000
 - ☒ 3. 14500
 - ☒ 4. 15450

Question ID : 630680323799
Option 1 ID : 6306801259691
Option 2 ID : 6306801259690
Option 3 ID : 6306801259689
Option 4 ID : 6306801259692

Status : Answered
Chosen Option : 2

Q.28 The average of five consecutive odd numbers is 19. What is the largest number out of these five numbers?

- Ans**
- ☒ 1. 23
 - ☒ 2. 25
 - ☒ 3. 21
 - ☒ 4. 27

Question ID : 630680323798
Option 1 ID : 6306801259685
Option 2 ID : 6306801259686
Option 3 ID : 6306801259688
Option 4 ID : 6306801259687

Status : Answered
Chosen Option : 1

Q.29

What is the value of $\sqrt{\frac{1 + \tan^2 \theta}{1 + \cot^2 \theta}}$?

- Ans**
- ☒ 1. $\tan \theta \cot \theta$
 - ☒ 2. $\cot \theta$
 - ☒ 3. 1
 - ☒ 4. $\tan \theta$

Question ID : 630680323823
Option 1 ID : 6306801259788
Option 2 ID : 6306801259786
Option 3 ID : 6306801259787
Option 4 ID : 6306801259785

Status : Answered
Chosen Option : 4



Q.30 If the difference between the two numbers is 45 percent of their sum, then what is the ratio of larger number and smaller number?

- Ans** ☒ 1. 29 : 11
☐ 2. 30 : 11
☐ 3. 31 : 11
☐ 4. 27 : 11

Question ID : 630680323800
Option 1 ID : 6306801259695
Option 2 ID : 6306801259696
Option 3 ID : 6306801259694
Option 4 ID : 6306801259693
Status : Answered
Chosen Option : 1

Section : General Awareness

Q.1 Which country/s has been chosen as the venue for the Asia Cup cricket tournament 2023?

- Ans** ☐ 1. India, Sri Lanka
☒ 2. Pakistan, Sri Lanka
☐ 3. India
☐ 4. Pakistan, Bangladesh

Question ID : 630680323824
Option 1 ID : 6306801259791
Option 2 ID : 6306801259790
Option 3 ID : 6306801259789
Option 4 ID : 6306801259792
Status : Not Answered
Chosen Option : --

Q.2 The festival of Jallikattu is mainly celebrated in which state?

- Ans** ☐ 1. Kerala
☒ 2. Tamilnadu
☐ 3. Karnataka
☐ 4. Maharashtra

Question ID : 630680323831
Option 1 ID : 6306801259817
Option 2 ID : 6306801259818
Option 3 ID : 6306801259819
Option 4 ID : 6306801259820
Status : Not Answered
Chosen Option : --



Q.3 Which among the following nutrient also known as Energy providing food?

- Ans ☒ 1. Carbohydrate
- ☐ 2. Minerals
- ☐ 3. Proteins
- ☐ 4. Vitamins

Question ID : 630680323837
Option 1 ID : 6306801259843
Option 2 ID : 6306801259842
Option 3 ID : 6306801259841
Option 4 ID : 6306801259844
Status : Answered
Chosen Option : 1

Q.4 Pulses are major source of which nutrient?

- Ans ☐ 1. Minerals
- ☒ 2. Protein
- ☐ 3. Fats
- ☐ 4. Carbohydrate

Question ID : 630680323838
Option 1 ID : 6306801259848
Option 2 ID : 6306801259846
Option 3 ID : 6306801259847
Option 4 ID : 6306801259845
Status : Answered
Chosen Option : 2

Q.5 Rights of citizenship of certain persons who have migrated to India from Pakistan. Which article of the Indian Constitution talks about it?

- Ans ☐ 1. 7
- ☒ 2. 6
- ☐ 3. 11
- ☐ 4. 5

Question ID : 630680323836
Option 1 ID : 6306801259839
Option 2 ID : 6306801259837
Option 3 ID : 6306801259840
Option 4 ID : 6306801259838
Status : Not Answered
Chosen Option : --

Q.6 The Indian Constitution was passed in which of the following year?

- Ans ☒ 1. 1949
- ☐ 2. 1948
- ☐ 3. 1947
- ☐ 4. 1946

Question ID : 630680323828
Option 1 ID : 6306801259808
Option 2 ID : 6306801259805
Option 3 ID : 6306801259806
Option 4 ID : 6306801259807
Status : Answered
Chosen Option : 1



Q.7 In which year was the first complete census of India held?

- Ans
- ☒ 1. 1872
 - ☒ 2. 1882
 - ☒ 3. 1951
 - ☒ 4. 1881

Question ID : 630680323834
Option 1 ID : 6306801259829
Option 2 ID : 6306801259831
Option 3 ID : 6306801259832
Option 4 ID : 6306801259830
Status : Answered
Chosen Option : 3

Q.8 Which of the following river is the longest river in India?

- Ans
- ☒ 1. Narmada
 - ☒ 2. Yamuna
 - ☒ 3. Krishna
 - ☒ 4. Ganga

Question ID : 630680323833
Option 1 ID : 6306801259828
Option 2 ID : 6306801259826
Option 3 ID : 6306801259825
Option 4 ID : 6306801259827
Status : Answered
Chosen Option : 4

Q.9 The Union Budget 2023-24 was presented on which of the following date?

- Ans
- ☒ 1. 01-02-2023
 - ☒ 2. 31-01-2023
 - ☒ 3. 15-02-2023
 - ☒ 4. 12-02-2023

Question ID : 630680323827
Option 1 ID : 6306801259801
Option 2 ID : 6306801259802
Option 3 ID : 6306801259804
Option 4 ID : 6306801259803
Status : Answered
Chosen Option : 1

Q.10 Which of the following language does not come under the category of classical language?

- Ans
- ☒ 1. Tamil
 - ☒ 2. Telugu
 - ☒ 3. Odia
 - ☒ 4. Marathi

Question ID : 630680323830
Option 1 ID : 6306801259814
Option 2 ID : 6306801259815
Option 3 ID : 6306801259816
Option 4 ID : 6306801259813
Status : Not Answered
Chosen Option : --

Q.11 Which Indian great man contributed the most in banning Sati Practice in India?

- Ans ☒ 1. Raja Ram Mohan Roy
- ☐ 2. Mahatma Gandhi
- ☐ 3. Dayanand Saraswati
- ☐ 4. Ishwar Chandra vidyasagar

Question ID : 630680323829
Option 1 ID : 6306801259811
Option 2 ID : 6306801259810
Option 3 ID : 6306801259812
Option 4 ID : 6306801259809
Status : Not Answered
Chosen Option : --

Q.12 Which of the following states is not located near the east coast of India?

- Ans ☐ 1. West Bengal
- ☐ 2. Odisha
- ☒ 3. Maharashtra
- ☐ 4. Andhra Pradesh

Question ID : 630680323832
Option 1 ID : 6306801259824
Option 2 ID : 6306801259822
Option 3 ID : 6306801259821
Option 4 ID : 6306801259823
Status : Answered
Chosen Option : 3

Q.13 In which part of the Indian Constitution fundamental rights have been discussed?

- Ans ☐ 1. 2
- ☐ 2. 5
- ☐ 3. 4
- ☒ 4. 3

Question ID : 630680323835
Option 1 ID : 6306801259836
Option 2 ID : 6306801259833
Option 3 ID : 6306801259834
Option 4 ID : 6306801259835
Status : Not Answered
Chosen Option : --

Q.14 Which of the following country has been selected as the venue of the COP-28 summit-2023?

- Ans ☐ 1. USA
- ☐ 2. Qatar
- ☒ 3. UAE
- ☐ 4. Oman

Question ID : 630680323825
Option 1 ID : 6306801259794
Option 2 ID : 6306801259795
Option 3 ID : 6306801259793
Option 4 ID : 6306801259796
Status : Not Answered
Chosen Option : --



Q.15 Prohibition of Child Marriage or PCMA (Amendment) Bill 2021, which proposes to raise the legal age of marriage for women from 18 to which of the following?

- Ans
- ☒ 1. 19
 - ☒ 2. 18
 - ☒ 3. 21
 - ☒ 4. 20

Question ID : 630680323826
Option 1 ID : 6306801259798
Option 2 ID : 6306801259797
Option 3 ID : 6306801259800
Option 4 ID : 6306801259799
Status : Not Answered
Chosen Option : --

Section : General Science

Q.1 Which of the following single-celled organisms divide into many daughter cells simultaneously by multiple fission?

- Ans
- ☒ 1. Amoeba
 - ☒ 2. Yeast
 - ☒ 3. Plasmodium
 - ☒ 4. Leishmania

Question ID : 630680323846
Option 1 ID : 6306801259879
Option 2 ID : 6306801259880
Option 3 ID : 6306801259878
Option 4 ID : 6306801259877
Status : Not Answered
Chosen Option : --

Q.2 The protein digesting enzyme, released by the gastric glands present in the wall of the stomach, is called ____.

- Ans
- ☒ 1. lipase
 - ☒ 2. amylase
 - ☒ 3. maltase
 - ☒ 4. pepsin

Question ID : 630680323849
Option 1 ID : 6306801259891
Option 2 ID : 6306801259889
Option 3 ID : 6306801259892
Option 4 ID : 6306801259890
Status : Answered
Chosen Option : 4



Q.3 Which of the following statements is/are correct regarding the pH scale?
I. The pH of a neutral solution is 7.
II. Values more than 7 on the pH scale represent an acidic solution.

- Ans ☒ 1. Only I
☒ 2. Only II
☒ 3. Both I and II
☒ 4. Neither I nor II

Question ID : 630680323840
Option 1 ID : 6306801259853
Option 2 ID : 6306801259854
Option 3 ID : 6306801259855
Option 4 ID : 6306801259856
Status : Answered
Chosen Option : 1

Q.4 Which element is used for making solar cells?

- Ans ☒ 1. Uranium
☒ 2. Plutonium
☒ 3. Platinum
☒ 4. Silicon

Question ID : 630680323843
Option 1 ID : 6306801259867
Option 2 ID : 6306801259865
Option 3 ID : 6306801259866
Option 4 ID : 6306801259868
Status : Answered
Chosen Option : 4

Q.5 Which of the following statements is correct regarding electric generator?
I. It converts electrical energy into mechanical energy.
II. It works on the basis of electromagnetic induction.

- Ans ☒ 1. Both I and II
☒ 2. Neither I nor II
☒ 3. Only I
☒ 4. Only II

Question ID : 630680323851
Option 1 ID : 6306801259899
Option 2 ID : 6306801259900
Option 3 ID : 6306801259897
Option 4 ID : 6306801259898
Status : Not Answered
Chosen Option : --

Q.6 In the context of sexual reproduction in flowering plants, which of the following pairs are correctly matched?
I. Papaya – Unisexual
II. Watermelon - Bisexual

- Ans ☒ 1. Neither I nor II
☒ 2. Both I and II
☒ 3. Only II
☒ 4. Only I

Question ID : 630680323847
Option 1 ID : 6306801259884
Option 2 ID : 6306801259883
Option 3 ID : 6306801259882
Option 4 ID : 6306801259881
Status : Not Answered
Chosen Option : --

Q.7 What is the relation between the potential difference between two points (V), work done (W) and charge (Q)?

- Ans ☒ 1. $V = W/Q$

☒ 2. $V = \frac{1}{W} + \frac{1}{Q}$

☒ 3. $V = Q/W$

☒ 4. $V = QW$

Question ID : 630680323850
Option 1 ID : 6306801259895
Option 2 ID : 6306801259896
Option 3 ID : 6306801259894
Option 4 ID : 6306801259893
Status : Answered
Chosen Option : 1

Q.8 Which of the following fuels is/are fossil fuels?
I. Coal
II. Petroleum
III. Wood

- Ans ☒ 1. I and III
☒ 2. II and III
☒ 3. I and II
☒ 4. I, II and III

Question ID : 630680323844
Option 1 ID : 6306801259870
Option 2 ID : 6306801259871
Option 3 ID : 6306801259869
Option 4 ID : 6306801259872
Status : Not Answered
Chosen Option : --



Q.9 What is the chemical formula for marble?

- Ans
- ☒ 1. Ca(OH)_2
 - ☒ 2. CaSO_4
 - ☒ 3. CaO
 - ☒ 4. CaCO_3

Question ID : 630680323839
Option 1 ID : 6306801259851
Option 2 ID : 6306801259852
Option 3 ID : 6306801259849
Option 4 ID : 6306801259850
Status : Answered
Chosen Option : 4

Q.10 Which of the following is a component of the human respiratory system?

- Ans
- ☒ 1. Diaphragm
 - ☒ 2. Appendix
 - ☒ 3. Pancreas
 - ☒ 4. Oesophagus

Question ID : 630680323848
Option 1 ID : 6306801259887
Option 2 ID : 6306801259886
Option 3 ID : 6306801259885
Option 4 ID : 6306801259888
Status : Not Answered
Chosen Option : --

Q.11 Which of the following statements is/are correct regarding Döbereiner's Triads?
I. Döbereiner showed that when the three elements in a triad were written in the order of increasing atomic masses; the atomic mass of the middle element was roughly the average of the atomic masses of the other two elements.
II. Döbereiner identified eight triads from the elements known at that time.

- Ans
- ☒ 1. Both I and II
 - ☒ 2. Neither I nor II
 - ☒ 3. Only I
 - ☒ 4. Only II

Question ID : 630680323842
Option 1 ID : 6306801259863
Option 2 ID : 6306801259864
Option 3 ID : 6306801259861
Option 4 ID : 6306801259862
Status : Not Answered
Chosen Option : --

Q.12 Ozone is a molecule formed by _____ atoms of oxygen.

- Ans ☒ 1. four
☒ 2. three
☒ 3. five
☒ 4. two

Question ID : 630680323845
Option 1 ID : 6306801259875
Option 2 ID : 6306801259874
Option 3 ID : 6306801259876
Option 4 ID : 6306801259873

Status : Answered

Chosen Option : 2

Q.13 In the modern periodic table, the atomic radius _____ in moving from left to right along a period.

- Ans ☒ 1. first decreases then increases
☒ 2. decreases
☒ 3. increases
☒ 4. first increases then decreases

Question ID : 630680323841
Option 1 ID : 6306801259860
Option 2 ID : 6306801259858
Option 3 ID : 6306801259857
Option 4 ID : 6306801259859

Status : Answered

Chosen Option : 3

Q.14 Which of the following represents the relationship between the radius of curvature (R) and focal length (f), of a spherical mirror?

- Ans ☒ 1. $f = 2/R$
☒ 2. $R = 2f$
☒ 3. $f = 2R$
☒ 4. $R = 2/f$

Question ID : 630680323852
Option 1 ID : 6306801259901
Option 2 ID : 6306801259904
Option 3 ID : 6306801259903
Option 4 ID : 6306801259902

Status : Answered

Chosen Option : 2



Q.15 The image formed by a convex lens is observed to be virtual, erect and larger than the object. Where should be the position of the object?

- Ans
- ☒ 1. Beyond $2F_1$
 - ☒ 2. Between F_1 and $2F_1$
 - ☒ 3. Between focus F_1 and optical center O
 - ☒ 4. At focus F_1

Question ID : 630680323853
Option 1 ID : 6306801259908
Option 2 ID : 6306801259905
Option 3 ID : 6306801259907
Option 4 ID : 6306801259906
Status : Not Answered
Chosen Option : --

Section : Logical Reasoning or General Intelligence

Q.1 A, B, C, D, E, F are sitting in a circular table in such a way that they are facing the centre, A is between F and D, who is just opposite to E. B and D are not neighbours, but E and B are neighbours. Who is between B and C?

- Ans
- ☒ 1. A
 - ☒ 2. E
 - ☒ 3. B
 - ☒ 4. C

Question ID : 630680323855
Option 1 ID : 6306801259913
Option 2 ID : 6306801259916
Option 3 ID : 6306801259915
Option 4 ID : 6306801259914
Status : Answered
Chosen Option : 2

Q.2 Which will replace the question mark?
Chair:Sit::Bed:?

- Ans
- ☒ 1. Sit
 - ☒ 2. Walk
 - ☒ 3. Watch
 - ☒ 4. Sleep

Question ID : 630680323876
Option 1 ID : 6306801259997
Option 2 ID : 6306801260000
Option 3 ID : 6306801259999
Option 4 ID : 6306801259998
Status : Answered
Chosen Option : 4



Q.3 Which of the following is different from the others?
125,251,602,999

- Ans
- ☒ 1. 125
 - ☒ 2. 251
 - ☒ 3. 999
 - ☒ 4. 602

Question ID : 630680323880
Option 1 ID : 6306801260015
Option 2 ID : 6306801260013
Option 3 ID : 6306801260016
Option 4 ID : 6306801260014
Status : Answered
Chosen Option : 3

Q.4 If $P > Q > R > S > T > U$, Then Which will be the correct options?

- Ans
- ☒ 1. $S > P$
 - ☒ 2. $U < P$
 - ☒ 3. $P < S$
 - ☒ 4. $U > P$

Question ID : 630680323860
Option 1 ID : 6306801259936
Option 2 ID : 6306801259935
Option 3 ID : 6306801259933
Option 4 ID : 6306801259934
Status : Answered
Chosen Option : 2

Q.5 Which will replace the question mark in the given series?
A1Z26,B2?25

- Ans
- ☒ 1. Y
 - ☒ 2. X
 - ☒ 3. V
 - ☒ 4. W

Question ID : 630680323863
Option 1 ID : 6306801259947
Option 2 ID : 6306801259948
Option 3 ID : 6306801259946
Option 4 ID : 6306801259945
Status : Answered
Chosen Option : 1

Q.6 Which will replace question mark?
A:E::I:?

- Ans
- ☒ 1. M
 - ☒ 2. O
 - ☒ 3. K
 - ☒ 4. L

Question ID : 630680323865
Option 1 ID : 6306801259956
Option 2 ID : 6306801259953
Option 3 ID : 6306801259954
Option 4 ID : 6306801259955
Status : Answered
Chosen Option : 1

Q.7 Which of the following is different from the others?
Cricket,Hockey,Football, Polo

- Ans ☒ 1. Polo
- ☒ 2. Foot ball
- ☒ 3. Cricket
- ☒ 4. Hockey

Question ID : 630680323877
Option 1 ID : 6306801260003
Option 2 ID : 6306801260004
Option 3 ID : 6306801260001
Option 4 ID : 6306801260002
Status : Answered
Chosen Option : 2

Q.8 Sunil's height is 5 feet. Rakesh is 1 foot taller than Sunil, but 1 foot shorter than Piyush.
Brajesh is 1 ft shorter than Rakesh. Who among the following is the tallest?

- Ans ☒ 1. Rakesh
- ☒ 2. Sunil
- ☒ 3. Brajesh
- ☒ 4. Piyush

Question ID : 630680323861
Option 1 ID : 6306801259937
Option 2 ID : 6306801259939
Option 3 ID : 6306801259940
Option 4 ID : 6306801259938
Status : Answered
Chosen Option : 4

Q.9 Which will replace the question mark?
January:31::April: ?

- Ans ☒ 1. 28
- ☒ 2. 31
- ☒ 3. 30
- ☒ 4. 29

Question ID : 630680323864
Option 1 ID : 6306801259949
Option 2 ID : 6306801259952
Option 3 ID : 6306801259950
Option 4 ID : 6306801259951
Status : Answered
Chosen Option : 3



Q.10 Which will replace the question mark in the given series?
36,45,54,63,?

- Ans ☒ 1. 72
- ☒ 2. 82
- ☒ 3. 99
- ☒ 4. 81

Question ID : 630680323882
Option 1 ID : 6306801260022
Option 2 ID : 6306801260021
Option 3 ID : 6306801260024
Option 4 ID : 6306801260023
Status : Answered
Chosen Option : 1

Q.11 Which will replace the question mark?
India: Asia::South Africa ?

- Ans ☒ 1. Africa
- ☒ 2. North America
- ☒ 3. South America
- ☒ 4. Asia

Question ID : 630680323874
Option 1 ID : 6306801259989
Option 2 ID : 6306801259991
Option 3 ID : 6306801259992
Option 4 ID : 6306801259990
Status : Answered
Chosen Option : 1

Q.12 Which of the following is different from the others?
Mango, Apple, Orange, Brinjal

- Ans ☒ 1. Brinjal
- ☒ 2. Orange
- ☒ 3. Mango
- ☒ 4. Apple

Question ID : 630680323878
Option 1 ID : 6306801260005
Option 2 ID : 6306801260008
Option 3 ID : 6306801260006
Option 4 ID : 6306801260007
Status : Answered
Chosen Option : 1

Q.13 What day was it on 23 March 1933 AD?

- Ans ☒ 1. Thursday
- ☒ 2. Monday
- ☒ 3. Saturday
- ☒ 4. Sunday

Question ID : 630680323856
Option 1 ID : 6306801259917
Option 2 ID : 6306801259918
Option 3 ID : 6306801259920
Option 4 ID : 6306801259919
Status : Answered
Chosen Option : 1



Q.14 Which of the following is different from the others?
9,21,33,42,52

- Ans ☒ 1. 52
☒ 2. 21
☒ 3. 42
☒ 4. 9

Question ID : 630680323881
Option 1 ID : 6306801260019
Option 2 ID : 6306801260017
Option 3 ID : 6306801260018
Option 4 ID : 6306801260020
Status : Answered
Chosen Option : 1

Q.15 At a wedding ceremony, Devkant met a woman who was the mother-in-law of the only son-in-law of his wife's father. How was the lady related to Devkant?

- Ans ☒ 1. Statement insufficient
☒ 2. Mother in law
☒ 3. Daughter
☒ 4. Daughter in law

Question ID : 630680323872
Option 1 ID : 6306801259984
Option 2 ID : 6306801259983
Option 3 ID : 6306801259982
Option 4 ID : 6306801259981
Status : Not Answered
Chosen Option : --

Q.16 Select the correct option based on the statements and conclusions given below?

Statement:-
I. All birds are trees.
II. Some trees are hens.

Conclusion:-
I. Some birds are hens.
II. Some chickens are trees.

- Ans ☒ 1. Both conclusions I and II
☒ 2. Only I conclusion
☒ 3. Only II Conclusion
☒ 4. Neither I nor II is the conclusion

Question ID : 630680323859
Option 1 ID : 6306801259931
Option 2 ID : 6306801259930
Option 3 ID : 6306801259929
Option 4 ID : 6306801259932
Status : Answered
Chosen Option : 1



Q.17 In a code language, if ABC is written as ZYX, how will DEF be written?

- Ans
- ☒ 1. VUW
 - ☒ 2. WVU
 - ☒ 3. UWV
 - ☒ 4. WUV

Question ID : 630680323868
Option 1 ID : 6306801259968
Option 2 ID : 6306801259967
Option 3 ID : 6306801259966
Option 4 ID : 6306801259965
Status : Answered
Chosen Option : 2

Q.18 Sunil walks 10 km towards north from a point E. After walking he turned to his right and walked for 10 km and then stopped. In which direction is Sunil standing now from his starting point?

- Ans
- ☒ 1. SOUTH – WEST
 - ☒ 2. SOUTH – EAST
 - ☒ 3. NORTH-EAST
 - ☒ 4. NORTH – WEST

Question ID : 630680323871
Option 1 ID : 6306801259980
Option 2 ID : 6306801259979
Option 3 ID : 6306801259977
Option 4 ID : 6306801259978
Status : Answered
Chosen Option : 3

Q.19 Select the correct option based on the statements and conclusions given below?

Statement:-

- I. Some politician are social worker.
- II. All doctors are social workers.

Conclusion:-

- I. Some doctors are politicians.
- II. Some social workers are both doctors and politicians.

- Ans
- ☒ 1. Only II Conclusion
 - ☒ 2. Both conclusions I and II
 - ☒ 3. Neither I nor II is the conclusion
 - ☒ 4. Only I conclusion

Question ID : 630680323858
Option 1 ID : 6306801259926
Option 2 ID : 6306801259927
Option 3 ID : 6306801259928
Option 4 ID : 6306801259925
Status : Answered
Chosen Option : 1



Q.20 Which of the following is different from the others?
ACE:135::FHJ: ?

- Ans
- ☒ 1. 6815
 - ☒ 2. 6805
 - ☒ 3. 6820
 - ☒ 4. 6810

Question ID : 630680323879
Option 1 ID : 6306801260011
Option 2 ID : 6306801260009
Option 3 ID : 6306801260012
Option 4 ID : 6306801260010
Status : Not Answered
Chosen Option : --

Q.21 Which will replace the question mark in the given series?
12,32,?

- Ans
- ☒ 1. 220
 - ☒ 2. 92
 - ☒ 3. 112
 - ☒ 4. 90

Question ID : 630680323883
Option 1 ID : 6306801260028
Option 2 ID : 6306801260027
Option 3 ID : 6306801260025
Option 4 ID : 6306801260026
Status : Not Answered
Chosen Option : --

Q.22 What day was it on 27 June 1980 AD ?

- Ans
- ☒ 1. Friday
 - ☒ 2. Wednesday
 - ☒ 3. Monday
 - ☒ 4. Tuesday

Question ID : 630680323857
Option 1 ID : 6306801259924
Option 2 ID : 6306801259923
Option 3 ID : 6306801259921
Option 4 ID : 6306801259922
Status : Answered
Chosen Option : 2

Q.23 Which will replace the question mark in the given series?
ABC,BCD,CDE,DEF,?

- Ans
- ☒ 1. GEF
 - ☒ 2. GFE
 - ☒ 3. EFG
 - ☒ 4. FEG

Question ID : 630680323866
Option 1 ID : 6306801259959
Option 2 ID : 6306801259960
Option 3 ID : 6306801259958
Option 4 ID : 6306801259957
Status : Answered
Chosen Option : 3

Q.24 Akash, Prakash and Suresh were sitting in a park. Akash told Prakash that Suresh was the son of the only daughter of his mother-in-law's husband. How is Akash related to Suresh?

- Ans ☒ 1. Father
☐ 2. Maternal Uncle
☐ 3. Uncle
☐ 4. Brother

Question ID : 630680323873
Option 1 ID : 6306801259988
Option 2 ID : 6306801259987
Option 3 ID : 6306801259985
Option 4 ID : 6306801259986
Status : Not Answered
Chosen Option : --

Q.25 Which is the opposite letter of the letter S in the English alphabet?

- Ans ☐ 1. E
☐ 2. F
☐ 3. G
☒ 4. H

Question ID : 630680323869
Option 1 ID : 6306801259970
Option 2 ID : 6306801259971
Option 3 ID : 6306801259972
Option 4 ID : 6306801259969
Status : Answered
Chosen Option : 4

Q.26 Which will replace the question mark in the given series?
ABC:123::KLM:?

- Ans ☐ 1. 131211
☐ 2. 121311
☐ 3. 121113
☒ 4. 111213

Question ID : 630680323862
Option 1 ID : 6306801259943
Option 2 ID : 6306801259944
Option 3 ID : 6306801259941
Option 4 ID : 6306801259942
Status : Answered
Chosen Option : 4

Q.27 Which will replace the question mark?
Ladakh: Leh:: Andaman and Nicobar island:?

- Ans ☒ 1. Port Blair
☐ 2. Little Andman
☐ 3. North Andman
☐ 4. South Andman

Question ID : 630680323875
Option 1 ID : 6306801259996
Option 2 ID : 6306801259993
Option 3 ID : 6306801259994
Option 4 ID : 6306801259995
Status : Answered
Chosen Option : 1



Q.28 How many numbers are used in the given series?
@1#2\$3?A@b&C

- Ans ☒ 1. 3
☒ 2. 4
☒ 3. 1
☒ 4. 2

Question ID : 630680323867
Option 1 ID : 6306801259962
Option 2 ID : 6306801259964
Option 3 ID : 6306801259963
Option 4 ID : 6306801259961
Status : Answered
Chosen Option : 1

Q.29 A, B, C, D, E, F are sitting in a circular table in such a way that they are facing the centre, A is between F and D, who is just opposite to E. B and D are not neighbours, but E and B are neighbours. Who is between E and D?

- Ans ☒ 1. A
☒ 2. E
☒ 3. C
☒ 4. B

Question ID : 630680323854
Option 1 ID : 6306801259909
Option 2 ID : 6306801259912
Option 3 ID : 6306801259910
Option 4 ID : 6306801259911
Status : Answered
Chosen Option : 3

Q.30 In a certain code language, if HAT is written as IJBCUV, then how will LEG be written in that code language?

- Ans ☒ 1. MNFGIH
☒ 2. MNIFGH
☒ 3. MNFIHG
☒ 4. MNFGHI

Question ID : 630680323870
Option 1 ID : 6306801259975
Option 2 ID : 6306801259973
Option 3 ID : 6306801259974
Option 4 ID : 6306801259976
Status : Not Answered
Chosen Option : --

Section : Knowledge about Railways or DFCCIL



Q.1 In which year was the Palace on Wheels launched by the Indian Railways?

- Ans ☒ 1. 1992
☒ 2. 1982
☒ 3. 1978
☒ 4. 1995

Question ID : 630680323889
Option 1 ID : 6306801260050
Option 2 ID : 6306801260051
Option 3 ID : 6306801260052
Option 4 ID : 6306801260049
Status : Not Answered
Chosen Option : --

Q.2 What is the total length of the eastern corridor of the dedicated freight corridor of DFCCIL?

- Ans ☒ 1. 1861 km
☒ 2. 2547 km
☒ 3. 2141 km
☒ 4. 1471 km

Question ID : 630680323893
Option 1 ID : 6306801260066
Option 2 ID : 6306801260067
Option 3 ID : 6306801260065
Option 4 ID : 6306801260068
Status : Not Answered
Chosen Option : --

Q.3 In November 2022, the Dedicated Freight Corridor Corporation of India Limited has announced that it will construct a multimodal logistics park in _____, Uttar Pradesh.

- Ans ☒ 1. Varanasi
☒ 2. Prayagraj
☒ 3. Lucknow
☒ 4. Kanpur

Question ID : 630680323886
Option 1 ID : 6306801260040
Option 2 ID : 6306801260039
Option 3 ID : 6306801260037
Option 4 ID : 6306801260038
Status : Not Answered
Chosen Option : --

Q.4 The Thane viaducts, India's first railway bridges, were built over the Thane creek when the Mumbai-Thane line was extended to Kalyan in May _____.

- Ans ☒ 1. 1858
☒ 2. 1865
☒ 3. 1854
☒ 4. 1879

Question ID : 630680323888
Option 1 ID : 6306801260045
Option 2 ID : 6306801260047
Option 3 ID : 6306801260046
Option 4 ID : 6306801260048
Status : Not Answered
Chosen Option : --



Q.5 In DFC's, _____ track km OHE wiring has been completed, as on 31st March 2022.

Ans ☒ 1. 3110

☒ 2. 4330

☒ 3. 4560

☒ 4. 3700

Question ID : 630680323887

Option 1 ID : 6306801260041

Option 2 ID : 6306801260043

Option 3 ID : 6306801260044

Option 4 ID : 6306801260042

Status : Not Answered

Chosen Option : --

Q.6 As on July 1, 2023, the percentage of electrified broad-gauge route in India is approximately _____ percent.

Ans ☒ 1. 70

☒ 2. 80

☒ 3. 90

☒ 4. 100

Question ID : 630680323890

Option 1 ID : 6306801260053

Option 2 ID : 6306801260054

Option 3 ID : 6306801260055

Option 4 ID : 6306801260056

Status : Not Answered

Chosen Option : --

Q.7 Trial run of Indian Railways locomotive took place on Ateli-Phulera section of Western DFC on 27 March 2018. During the trial run maximum speed of _____ km/per hour was successfully achieved.

Ans ☒ 1. 60

☒ 2. 120

☒ 3. 75

☒ 4. 100

Question ID : 630680323892

Option 1 ID : 6306801260064

Option 2 ID : 6306801260062

Option 3 ID : 6306801260063

Option 4 ID : 6306801260061

Status : Not Answered

Chosen Option : --

Q.8 The Paralakhemundi railway station is located in which state of India?

Ans ☒ 1. Odisha

☒ 2. Kerala

☒ 3. Assam

☒ 4. Karnataka

Question ID : 630680323884

Option 1 ID : 6306801260031

Option 2 ID : 6306801260029

Option 3 ID : 6306801260032

Option 4 ID : 6306801260030

Status : Not Answered

Chosen Option : --



Q.9 _____ rail company Alstom will manufacture 100 aluminium bodied Vande Bharat trains with sleeper facility, after bidding the lowest for the tender at a price of Rs 150.9 crore per train.

- Ans ☒ 1. French
 ☒ 2. German
 ☒ 3. Israeli
 ☒ 4. Italian

Question ID : 630680323891
Option 1 ID : 6306801260059
Option 2 ID : 6306801260060
Option 3 ID : 6306801260058
Option 4 ID : 6306801260057
Status : Not Answered
Chosen Option : --

Q.10 As of February 2023, which of the following statements is/are correct regarding the Amrit Bharat Station Scheme?
I. The scheme envisages to take-up 1275 stations for upgradation/modernisation over Indian Railway.
II. The first Vande Bharat Express train ran on the Mumbai Central- Gandhinagar CAP route.

- Ans ☒ 1. Neither I nor II
 ☒ 2. Only II
 ☒ 3. Only I
 ☒ 4. Both I and II

Question ID : 630680323885
Option 1 ID : 6306801260036
Option 2 ID : 6306801260034
Option 3 ID : 6306801260033
Option 4 ID : 6306801260035
Status : Not Answered
Chosen Option : --