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(Civil)**

25 Aug, 2023 Shift 3

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Participant Id	
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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 : --

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 : --