

DFCCIL Executive

**Previous Year Paper
(Electrical)**

25 Aug, 2023 Shift 2



Dedicated Freight Corridor Corporation of India Ltd.
A Government of India (Ministry of Railways) Enterprise

Test Date	25/08/2023
Test Time	12:00 PM - 1:30 PM
Subject	Executive (Electrical)

Section : Mathematics or Numerical Ability

Q.1 If $x^2 - 2x + 1 = 0$ and $x > 0$, then what is the value of $x^2 + x^3 + \frac{1}{x^2} + \frac{1}{x^3}$?

- Ans ☒ 1. 3
☒ 2. 8
☒ 3. 6
☒ 4. 4

Question ID : 630680323533
Option 1 ID : 6306801258638
Option 2 ID : 6306801258640
Option 3 ID : 6306801258639
Option 4 ID : 6306801258637
Status : Answered
Chosen Option : 4

Q.2 What is the value of $28 \times 64 \div 16 + 98 \div 14 + 54 \times 72$?

- Ans ☒ 1. 4613
☒ 2. 5405
☒ 3. 4007
☒ 4. 4415

Question ID : 630680323511
Option 1 ID : 6306801258552
Option 2 ID : 6306801258550
Option 3 ID : 6306801258551
Option 4 ID : 6306801258549
Status : Answered
Chosen Option : 3

Q.3 Two trains are moving in the opposite direction at the speed of 15 km/hr and 60 km/hr, whose lengths are 640 metres and 360 metres respectively. What is the time taken by slower train to cross the faster train?

- Ans ☒ 1. 36 seconds
☒ 2. 48 seconds
☒ 3. 50 seconds
☒ 4. 52 seconds

Question ID : 630680323528
Option 1 ID : 6306801258620
Option 2 ID : 6306801258619
Option 3 ID : 6306801258618
Option 4 ID : 6306801258617
Status : Answered
Chosen Option : 1

Q.4 Price of wheat increases by 50 percent. If expenditure increases by only 35 percent, then by how much percentage consumption should decrease?

- Ans** ☒ 1. 10 percent
☐ 2. 20 percent
☐ 3. 12 percent
☐ 4. 15 percent

Question ID : 630680323516
Option 1 ID : 6306801258571
Option 2 ID : 6306801258572
Option 3 ID : 6306801258570
Option 4 ID : 6306801258569
Status : Answered
Chosen Option : 4

Q.5 The compound interest on a sum for 2 years at the rate of 20 percent per annum (compounded annually) is Rs. 2860. What is the sum?

- Ans** ☒ 1. Rs. 6500
☐ 2. Rs. 6000
☐ 3. Rs. 7500
☐ 4. Rs. 7000

Question ID : 630680323526
Option 1 ID : 6306801258610
Option 2 ID : 6306801258612
Option 3 ID : 6306801258611
Option 4 ID : 6306801258609
Status : Answered
Chosen Option : 1

Q.6 What will be the average of all the even numbers between 21 and 57?

- Ans** ☐ 1. 41
☒ 2. 39
☐ 3. 43
☐ 4. 38

Question ID : 630680323514
Option 1 ID : 6306801258564
Option 2 ID : 6306801258561
Option 3 ID : 6306801258563
Option 4 ID : 6306801258562
Status : Answered
Chosen Option : 4

Q.7 A is 20 percent more than B. B is 30 percent more than C. C is 50 percent less than D. D is 25 percent less than E. By how much percentage is A less than E?

- Ans** ☐ 1. 37.5 percent
☒ 2. 41.5 percent
☐ 3. 33.5 percent
☐ 4. 35.5 percent

Question ID : 630680323517
Option 1 ID : 6306801258573
Option 2 ID : 6306801258576
Option 3 ID : 6306801258574
Option 4 ID : 6306801258575
Status : Answered
Chosen Option : 2

Q.8 P and Q can complete a work alone in 18 days and 30 days respectively. They began the work together but P left the work after some days and Q completed the remaining work in 22 days. After how many days from the beginning P left the work?

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

Question ID : 630680323529
Option 1 ID : 6306801258624
Option 2 ID : 6306801258623
Option 3 ID : 6306801258621
Option 4 ID : 6306801258622
Status : Answered
Chosen Option : 2

Q.9 If $\sin\theta + \cos\theta = \sqrt{2}$, then what is the value of $8 \sin\theta \cos\theta$?

- Ans** ☐ 1. 2
☐ 2. 16
☐ 3. 8
☒ 4. 4

Question ID : 630680323539
Option 1 ID : 6306801258661
Option 2 ID : 6306801258664
Option 3 ID : 6306801258663
Option 4 ID : 6306801258662
Status : Answered
Chosen Option : 4

Q.10 An article with marked price of Rs. 5676 is sold at a discount of 40 percent. If 20 percent profit is earned, then what is the cost price of the article?

- Ans** ☒ 1. Rs. 2838
☐ 2. Rs. 2548
☐ 3. Rs. 2500
☐ 4. Rs. 2675

Question ID : 630680323520
Option 1 ID : 6306801258586
Option 2 ID : 6306801258588
Option 3 ID : 6306801258585
Option 4 ID : 6306801258587
Status : Answered
Chosen Option : 1

Q.11 If the ratio of corresponding sides of two similar triangles is 1 : 3, then what is the ratio of the areas of the two triangles?

- Ans** ☐ 1. 1 : 3
☒ 2. 1 : 9
☐ 3. 1 : 27
☐ 4. 1 : 81

Question ID : 630680323538
Option 1 ID : 6306801258657
Option 2 ID : 6306801258658
Option 3 ID : 6306801258659
Option 4 ID : 6306801258660
Status : Answered
Chosen Option : 4

Q.12 A person borrows Rs. 66000 at the rate of 10 percent per annum on simple interest for 4 years. He immediately lends it to another person at the rate of 12.5 percent per annum on simple interest for 4 years. What is the value of gain per year?

- Ans**  1. Rs. 1660
 2. Rs. 1550
 3. Rs. 1650
 4. Rs. 1780

Question ID : 630680323524
Option 1 ID : 6306801258603
Option 2 ID : 6306801258604
Option 3 ID : 6306801258602
Option 4 ID : 6306801258601
Status : Answered
Chosen Option : 2

Q.13 On an article, the profit earned is 380 percent of the cost price. If the cost price increases by 20 percent but the selling price remains same, then what will be the new profit percentage?

- Ans**  1. 300 percent
 2. 400 percent
 3. 200 percent
 4. 350 percent

Question ID : 630680323518
Option 1 ID : 6306801258580
Option 2 ID : 6306801258579
Option 3 ID : 6306801258578
Option 4 ID : 6306801258577
Status : Answered
Chosen Option : 1

Q.14 If the number of diagonals in regular polygon is 44, then the number of sides in the polygon will be _____.

- Ans**  1. 12
 2. 9
 3. 10
 4. 11

Question ID : 630680323537
Option 1 ID : 6306801258656
Option 2 ID : 6306801258655
Option 3 ID : 6306801258653
Option 4 ID : 6306801258654
Status : Answered
Chosen Option : 4

Q.15 If $p : q = 2 : 1$, then what is the value of $(p^2 + q^2)/(p^2 - q^2)$?

- Ans
- ☒ 1. $\frac{3}{5}$
 - ☒ 2. $\frac{4}{3}$
 - ☒ 3. $\frac{5}{3}$
 - ☒ 4. $\frac{2}{5}$

Question ID : 630680323521
Option 1 ID : 6306801258590
Option 2 ID : 6306801258592
Option 3 ID : 6306801258589
Option 4 ID : 6306801258591
Status : Answered
Chosen Option : 3

Q.16 If $a + b = 12$ and $4ab = 140$, then what is the value of $a^2 + b^2$?

- Ans
- ☒ 1. 144
 - ☒ 2. 74
 - ☒ 3. 4
 - ☒ 4. 37

Question ID : 630680323532
Option 1 ID : 6306801258634
Option 2 ID : 6306801258633
Option 3 ID : 6306801258636
Option 4 ID : 6306801258635
Status : Answered
Chosen Option : 2

Q.17 Median of the numbers 4, 6, 8, P, 12, 14 is 9. What is value of P?

- Ans
- ☒ 1. 12
 - ☒ 2. 8
 - ☒ 3. 10
 - ☒ 4. 15

Question ID : 630680323531
Option 1 ID : 6306801258630
Option 2 ID : 6306801258632
Option 3 ID : 6306801258631
Option 4 ID : 6306801258629
Status : Answered
Chosen Option : 3

Q.18 The ratio of two liquids B1 and B2 in a container is 3 : 2. When 10 litres of mixture is removed from the container and is replaced with B2, the ratio of B1 and B2 becomes 3 : 5. How many litres of B1 was in the container initially?

- Ans**
- ☒ 1. 8 litres
 - ☒ 2. 48 litres
 - ☒ 3. 32 litres
 - ☒ 4. 16 litres

Question ID : 630680323523
Option 1 ID : 6306801258600
Option 2 ID : 6306801258599
Option 3 ID : 6306801258597
Option 4 ID : 6306801258598
Status : Answered
Chosen Option : 2

Q.19 If $56x + 56y = 1064$, then what is the average of x and y?

- Ans**
- ☒ 1. 8
 - ☒ 2. 9.5
 - ☒ 3. 11
 - ☒ 4. 10.5

Question ID : 630680323513
Option 1 ID : 6306801258557
Option 2 ID : 6306801258559
Option 3 ID : 6306801258560
Option 4 ID : 6306801258558
Status : Answered
Chosen Option : 1

Q.20 Mukesh covers $\frac{1}{7}$ part of the total distance by bus and the remaining 36 km by car. What is the total distance of his journey?

- Ans**
- ☒ 1. 42 km
 - ☒ 2. 28 km
 - ☒ 3. 24 km
 - ☒ 4. 48 km

Question ID : 630680323527
Option 1 ID : 6306801258615
Option 2 ID : 6306801258614
Option 3 ID : 6306801258613
Option 4 ID : 6306801258616
Status : Not Answered
Chosen Option : --

Q.21 The inner and outer radii of circle track are 29 metre and 23 metre respectively. What is the cost of leveling the track at the rate of Rs. 7 per metre²?

- Ans**
- ☒ 1. Rs. 7728
 - ☒ 2. Rs. 5300
 - ☒ 3. Rs. 3284
 - ☒ 4. Rs. 6864

Question ID : 630680323536
Option 1 ID : 6306801258649
Option 2 ID : 6306801258650
Option 3 ID : 6306801258651
Option 4 ID : 6306801258652
Status : Not Answered
Chosen Option : --

Q.22 What is the value of $4444 \div 44 + 20 - 121 + 100 \times 4 - 20 \times 30$?

- Ans
- ☒ 1. 0
 - ☒ 2. -200
 - ☒ 3. -100
 - ☒ 4. -300

Question ID : 630680323510
Option 1 ID : 6306801258546
Option 2 ID : 6306801258548
Option 3 ID : 6306801258545
Option 4 ID : 6306801258547
Status : Answered
Chosen Option : 3

Q.23 What is the value of $24 \times 15 \div 12 \times 35 \times 192 \div 16$?

- Ans
- ☒ 1. 13600
 - ☒ 2. 18000
 - ☒ 3. 14400
 - ☒ 4. 12600

Question ID : 630680323512
Option 1 ID : 6306801258556
Option 2 ID : 6306801258553
Option 3 ID : 6306801258555
Option 4 ID : 6306801258554
Status : Answered
Chosen Option : 4

Q.24 The ratio of radius and height of a cylinder is 5 : 7 and its volume is 550 cm^3 . Calculate the curved surface area.

- Ans
- ☒ 1. 500 cm^2
 - ☒ 2. 196 cm^2
 - ☒ 3. 321 cm^2
 - ☒ 4. 220 cm^2

Question ID : 630680323535
Option 1 ID : 6306801258648
Option 2 ID : 6306801258647
Option 3 ID : 6306801258646
Option 4 ID : 6306801258645
Status : Answered
Chosen Option : 2

Q.25 Simple interest and compound interest on a principal at a certain rate of interest for 2 years is Rs. 15000 and Rs. 18000 respectively. What is the principal?

- Ans
- ☒ 1. Rs. 18750
 - ☒ 2. Rs. 15750
 - ☒ 3. Rs. 19570
 - ☒ 4. Rs. 18450

Question ID : 630680323525
Option 1 ID : 6306801258608
Option 2 ID : 6306801258607
Option 3 ID : 6306801258606
Option 4 ID : 6306801258605
Status : Not Answered
Chosen Option : --

Q.26 Vikas gave 3 examinations. The respective ratio of marks scored by him in the 3 examinations is 3 : 5 : 4. The respective ratio of maximum marks of the 3 examination is 8 : 7 : 9. If he scored 50 percent marks in total, then in how many examination has he scored marks more than 50 percent?

- Ans** ☒ 1. 1
☐ 2. 0
☐ 3. 2
☐ 4. 3

Question ID : 630680323522
Option 1 ID : 6306801258594
Option 2 ID : 6306801258593
Option 3 ID : 6306801258595
Option 4 ID : 6306801258596
Status : Not Answered
Chosen Option : --

Q.27 If the price of onion increases from Rs. 15 per kg to Rs. 50 per kg, then by what percentage a household should decrease the consumption of onion so that expenditure remains same?

- Ans** ☒ 1. 70 percent
☐ 2. 50 percent
☐ 3. 80 percent
☐ 4. 60 percent

Question ID : 630680323515
Option 1 ID : 6306801258567
Option 2 ID : 6306801258566
Option 3 ID : 6306801258568
Option 4 ID : 6306801258565
Status : Not Answered
Chosen Option : --

Q.28 Two identical circles each of radius 5 cm intersect each other such that the circumference of each one passes through the centre of the other. What is the area of the intersecting region?

- Ans** ☐ 1. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{4} \right\}$
☐ 2. $25\sqrt{3} - 10\pi$
☒ 3. $\left\{ \frac{(50\pi)}{3} \right\} - \left\{ \frac{(25\sqrt{3})}{2} \right\}$
☐ 4. $\left\{ \frac{(50\pi)}{3} \right\} - (25\sqrt{3})$

Question ID : 630680323534
Option 1 ID : 6306801258643
Option 2 ID : 6306801258644
Option 3 ID : 6306801258642
Option 4 ID : 6306801258641
Status : Not Answered
Chosen Option : --

Q.29 The profit earned on selling an article for Rs. 4872 is 2 times of the loss incurred on selling the same article for Rs. 3864. What will be the selling price of the article to earn a profit of 20 percent?

- Ans**  1. Rs. 5400
 2. Rs. 4880
 3. Rs. 4950
 4. Rs. 5040

Question ID : 630680323519
Option 1 ID : 6306801258583
Option 2 ID : 6306801258582
Option 3 ID : 6306801258584
Option 4 ID : 6306801258581
Status : Not Answered
Chosen Option : --

Q.30 Pipes A and C together can fill a tank in 45 hours. Pipes C and D together can fill the same tank in 22.5 hours. Pipes A and D together can fill the same tank in 30 hours. In how many hours can pipe C alone fill the same tank?

- Ans**  1. 75 hours
 2. 90 hours
 3. 70 hours
 4. 60 hours

Question ID : 630680323530
Option 1 ID : 6306801258626
Option 2 ID : 6306801258625
Option 3 ID : 6306801258628
Option 4 ID : 6306801258627
Status : Not Answered
Chosen Option : --

Section : General Awareness

Q.1 In which of the following Dowry Prohibition Act, dowry is defined?

- Ans**  1. Dowry Prohibition Act, 1964
 2. Dowry Prohibition Act, 1962
 3. Dowry Prohibition Act, 1963
 4. Dowry Prohibition Act, 1961

Question ID : 630680323542
Option 1 ID : 6306801258676
Option 2 ID : 6306801258674
Option 3 ID : 6306801258675
Option 4 ID : 6306801258673
Status : Answered
Chosen Option : 2

Q.2 Freedom as to payment of taxes for promotion of any particular religion. This provision has been made in which article of the Indian Constitution?

- Ans**  1. 27
 2. 24
 3. 25
 4. 26

Question ID : 630680323551
Option 1 ID : 6306801258710
Option 2 ID : 6306801258712
Option 3 ID : 6306801258711
Option 4 ID : 6306801258709
Status : Answered
Chosen Option : 2

Q.3 Which year is considered as the year of great divide in the history of Indian census?

- Ans  1. 1941
 2. 1921
 3. 1947
 4. 1931

Question ID : 630680323550
Option 1 ID : 6306801258706
Option 2 ID : 6306801258708
Option 3 ID : 6306801258705
Option 4 ID : 6306801258707
Status : Answered
Chosen Option : 1

Q.4 Which of the following rivers has its origin and mouth outside India, but passes through India?

- Ans  1. Godavari
 2. Ganga
 3. Indus
 4. Yamuna

Question ID : 630680323549
Option 1 ID : 6306801258704
Option 2 ID : 6306801258701
Option 3 ID : 6306801258702
Option 4 ID : 6306801258703
Status : Answered
Chosen Option : 3

Q.5 How many teams are included in the Asia Cup Cricket Tournament 2023?

- Ans  1. 6
 2. 7
 3. 5
 4. 4

Question ID : 630680323540
Option 1 ID : 6306801258665
Option 2 ID : 6306801258668
Option 3 ID : 6306801258666
Option 4 ID : 6306801258667
Status : Answered
Chosen Option : 2

Q.6 Which of the following state is located near the west coast of India?

- Ans  1. Karnataka
 2. Odisha
 3. Tamilnadu
 4. Andhra Pradesh

Question ID : 630680323548
Option 1 ID : 6306801258699
Option 2 ID : 6306801258697
Option 3 ID : 6306801258700
Option 4 ID : 6306801258698
Status : Answered
Chosen Option : 1

Q.7 Which food is considered the best and complete food for babies?

- Ans
- ☐ 1. Paneer
 - ☒ 2. Milk
 - ☐ 3. Meat
 - ☐ 4. Fish

Question ID : 630680323554
Option 1 ID : 6306801258722
Option 2 ID : 6306801258723
Option 3 ID : 6306801258724
Option 4 ID : 6306801258721
Status : Answered
Chosen Option : 2

Q.8 Which of the following city has been selected as the venue of the COP-28 summit- 2023?

- Ans
- ☒ 1. Dubai
 - ☐ 2. Sharjah
 - ☐ 3. Ajman
 - ☐ 4. Abu Dhabi

Question ID : 630680323541
Option 1 ID : 6306801258671
Option 2 ID : 6306801258670
Option 3 ID : 6306801258672
Option 4 ID : 6306801258669
Status : Answered
Chosen Option : 4

Q.9 Which among the following nutrient also known as Protective food?

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

Question ID : 630680323553
Option 1 ID : 6306801258719
Option 2 ID : 6306801258718
Option 3 ID : 6306801258717
Option 4 ID : 6306801258720
Status : Answered
Chosen Option : 4

Q.10 Who founded the Arya Samaj?

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

Question ID : 630680323545
Option 1 ID : 6306801258685
Option 2 ID : 6306801258688
Option 3 ID : 6306801258687
Option 4 ID : 6306801258686
Status : Answered
Chosen Option : 2

Q.11 Based on the information available till June-2023, which was the last language to be included in the category of classical language of India?

- Ans  1. Telugu
-  2. Odia
-  3. Malyalam
-  4. Tamil

Question ID : 630680323546
Option 1 ID : 6306801258692
Option 2 ID : 6306801258691
Option 3 ID : 6306801258689
Option 4 ID : 6306801258690
Status : Answered
Chosen Option : 2

Q.12 In which year the Indian Constitution came into force?

- Ans  1. 1947
-  2. 1950
-  3. 1948
-  4. 1949

Question ID : 630680323544
Option 1 ID : 6306801258684
Option 2 ID : 6306801258682
Option 3 ID : 6306801258683
Option 4 ID : 6306801258681
Status : Answered
Chosen Option : 2

Q.13 Who among the following presented the annual budget for the year 2023?

- Ans  1. Smriti Irani
-  2. Nirmala Sitaraman
-  3. Amit shah
-  4. Rajnath singh

Question ID : 630680323543
Option 1 ID : 6306801258678
Option 2 ID : 6306801258679
Option 3 ID : 6306801258677
Option 4 ID : 6306801258680
Status : Answered
Chosen Option : 2

Q.14 The festival of Chhath Puja is mainly celebrated in which of the following states?

- Ans  1. Uttar Pradesh
-  2. Bihar
-  3. Jharkhand
-  4. Madhya Pradesh

Question ID : 630680323547
Option 1 ID : 6306801258696
Option 2 ID : 6306801258693
Option 3 ID : 6306801258694
Option 4 ID : 6306801258695
Status : Answered
Chosen Option : 1

Q.15 In which year was the Citizenship Act passed for the first time in India?

- Ans ☒ 1. 1955
- ☐ 2. 1948
- ☐ 3. 1995
- ☐ 4. 2019

Question ID : 630680323552
Option 1 ID : 6306801258713
Option 2 ID : 6306801258714
Option 3 ID : 6306801258715
Option 4 ID : 6306801258716
Status : Answered
Chosen Option : 1

Section : General Science

Q.1 India is ranked _____ in harnessing wind energy for the production of electricity.

- Ans ☐ 1. third
- ☐ 2. seventh
- ☒ 3. fifth
- ☐ 4. ninth

Question ID : 630680323559
Option 1 ID : 6306801258741
Option 2 ID : 6306801258743
Option 3 ID : 6306801258742
Option 4 ID : 6306801258744
Status : Answered
Chosen Option : 1

Q.2 Which of the following chemicals can be obtained from sodium chloride?

- I. Baking soda
II. Washing soda

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

Question ID : 630680323556
Option 1 ID : 6306801258732
Option 2 ID : 6306801258729
Option 3 ID : 6306801258730
Option 4 ID : 6306801258731
Status : Answered
Chosen Option : 1

Q.3 Which of the following statements is/are correct regarding the Modern Periodic Table?

- I. Properties of elements are a periodic function of their atomic mass.
II. The Modern Periodic Table has 18 vertical columns known as 'groups' and 7 horizontal rows known as 'periods'.

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

Question ID : 630680323558
Option 1 ID : 6306801258740
Option 2 ID : 6306801258737
Option 3 ID : 6306801258738
Option 4 ID : 6306801258739
Status : Answered
Chosen Option : 4

Q.4 The 'Law of Octaves' was proposed by _____.

- Ans
- ☐ 1. Johann Wolfgang Döbereiner
 - ☐ 2. Henry Moseley
 - ☒ 3. John Newlands
 - ☐ 4. Dmitri Ivanovich Mendeléev

Question ID : 630680323557
Option 1 ID : 6306801258733
Option 2 ID : 6306801258736
Option 3 ID : 6306801258734
Option 4 ID : 6306801258735
Status : Answered
Chosen Option : 4

Q.5 _____ is an essential element used in the synthesis of proteins.

- Ans
- ☐ 1. Sulphur
 - ☐ 2. Magnesium
 - ☐ 3. Phosphorus
 - ☒ 4. Nitrogen

Question ID : 630680323564
Option 1 ID : 6306801258764
Option 2 ID : 6306801258761
Option 3 ID : 6306801258762
Option 4 ID : 6306801258763
Status : Answered
Chosen Option : 2

Q.6 Which of the following animals can be cut into any number of pieces and each piece grows into a complete organism?
I. Hydra
II. Planaria

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

Question ID : 630680323563
Option 1 ID : 6306801258758
Option 2 ID : 6306801258759
Option 3 ID : 6306801258757
Option 4 ID : 6306801258760
Status : Answered
Chosen Option : 2

Q.7 A _____ is an instrument that can detect the presence of a current in a circuit.

- Ans
- ☒ 1. galvanometer
 - ☐ 2. voltmeter
 - ☐ 3. sphygmomanometer
 - ☐ 4. potentiometer

Question ID : 630680323566
Option 1 ID : 6306801258771
Option 2 ID : 6306801258770
Option 3 ID : 6306801258772
Option 4 ID : 6306801258769
Status : Answered
Chosen Option : 1

Q.8 Herbivores belong to which of the following trophic levels?

- Ans
- ☐ 1. Secondary consumers
 - ☐ 2. Tertiary Consumers
 - ☐ 3. Producers
 - ☒ 4. Primary consumers

Question ID : 630680323561
Option 1 ID : 6306801258751
Option 2 ID : 6306801258752
Option 3 ID : 6306801258749
Option 4 ID : 6306801258750
Status : Answered
Chosen Option : 1

Q.9 The process of acquiring oxygen from outside the body, and to use it in the process of break-down of food sources for cellular needs is called _____.

- Ans
- ☐ 1. digestion
 - ☒ 2. respiration
 - ☐ 3. ingestion
 - ☐ 4. reproduction

Question ID : 630680323565
Option 1 ID : 6306801258765
Option 2 ID : 6306801258767
Option 3 ID : 6306801258766
Option 4 ID : 6306801258768
Status : Answered
Chosen Option : 2

Q.10 Which of the following single-celled organisms can put out small buds that separate and grow further?

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

Question ID : 630680323562
Option 1 ID : 6306801258755
Option 2 ID : 6306801258756
Option 3 ID : 6306801258754
Option 4 ID : 6306801258753
Status : Answered
Chosen Option : 1

Q.11 Burning of coal is an example of _____ reaction.

- Ans
- ☐ 1. decomposition
 - ☒ 2. combination
 - ☐ 3. displacement
 - ☐ 4. double displacement

Question ID : 630680323555
Option 1 ID : 6306801258726
Option 2 ID : 6306801258725
Option 3 ID : 6306801258727
Option 4 ID : 6306801258728
Status : Answered
Chosen Option : 1

Q.12 What will be the position and nature of the image of an object positioned between C and F of a concave mirror?

- Ans ☒ 1. Beyond C, real and inverted
- ☐ 2. Beyond C, virtual and erect
- ☐ 3. Between F and C, real and inverted
- ☐ 4. Between F and C, virtual and erect

Question ID : 630680323568
Option 1 ID : 6306801258778
Option 2 ID : 6306801258777
Option 3 ID : 6306801258780
Option 4 ID : 6306801258779
Status : Marked For Review
Chosen Option : 2

Q.13 Which of the following statements is/are correct regarding fossil fuels?
I. The fossil fuels are renewable sources of energy.
II. Burning fossil fuels leads to acid rain.

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

Question ID : 630680323560
Option 1 ID : 6306801258747
Option 2 ID : 6306801258745
Option 3 ID : 6306801258748
Option 4 ID : 6306801258746
Status : Answered
Chosen Option : 4

Q.14 Which among the following material medium has the highest absolute refractive index?

- Ans ☒ 1. Carbon disulphide
- ☐ 2. Crown glass
- ☐ 3. Turpentine oil
- ☐ 4. Fused quartz

Question ID : 630680323569
Option 1 ID : 6306801258784
Option 2 ID : 6306801258781
Option 3 ID : 6306801258782
Option 4 ID : 6306801258783
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.15 Which of the following equation is the correct representation of Ohm's law?
(Where V = potential difference, I = current and R = resistance.)

- Ans ☐ 1. $V = I/R$
- ☐ 2. $V = R/I$
- ☐ 3. $R = IV$
- ☒ 4. $I = V/R$

Question ID : 630680323567
Option 1 ID : 6306801258773
Option 2 ID : 6306801258774
Option 3 ID : 6306801258775
Option 4 ID : 6306801258776
Status : Answered
Chosen Option : 4

Q.1 How many times the number 3 is used in the given string?
@#A#B@2!3S*#P@3@\$4#3*#

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

Question ID : 630680323583
Option 1 ID : 6306801258837
Option 2 ID : 6306801258838
Option 3 ID : 6306801258839
Option 4 ID : 6306801258840
Status : Answered
Chosen Option : 2

Q.2 Which among the following is different from others?
222,231,402, 505

- Ans
- ☐ 1. 222
 - ☐ 2. 231
 - ☐ 3. 402
 - ☒ 4. 505

Question ID : 630680323593
Option 1 ID : 6306801258880
Option 2 ID : 6306801258878
Option 3 ID : 6306801258879
Option 4 ID : 6306801258877
Status : Answered
Chosen Option : 2

Q.3 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. Which two people have the same height?

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

Question ID : 630680323577
Option 1 ID : 6306801258814
Option 2 ID : 6306801258815
Option 3 ID : 6306801258813
Option 4 ID : 6306801258816
Status : Answered
Chosen Option : 1

Q.4 What day was it on 26 July 1901 AD ?

- Ans
- ☐ 1. Sunday
 - ☐ 2. Tuesday
 - ☒ 3. Friday
 - ☐ 4. Monday

Question ID : 630680323573
Option 1 ID : 6306801258799
Option 2 ID : 6306801258798
Option 3 ID : 6306801258797
Option 4 ID : 6306801258800
Status : Answered
Chosen Option : 1

Q.5 Which will replace the question mark?
India Gate: Delhi::Taj Mahal:?

- Ans  1. Fatehpur Sikri
 2. Agra
 3. Delhi
 4. Lucknow

Question ID : 630680323591
Option 1 ID : 6306801258871
Option 2 ID : 6306801258869
Option 3 ID : 6306801258872
Option 4 ID : 6306801258870
Status : Answered
Chosen Option : 2

Q.6 In a certain code language, if KLFQFGQR is written as JEEP, then how will CDJKLMFG be written in that code language?

- Ans  1. BIEK
 2. BIKE
 3. BKIE
 4. BEKI

Question ID : 630680323584
Option 1 ID : 6306801258841
Option 2 ID : 6306801258842
Option 3 ID : 6306801258843
Option 4 ID : 6306801258844
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.7 Select the correct option based on the statements and conclusions given below?

Statement:-
I. All books are pencils.
II. All pencils are flowers.

Conclusion:-
I. All books are flowers.
II. Some pencils are not books.

- Ans  1. Neither I nor II is the conclusion
 2. only I conclusion
 3. Only II conclusion
 4. Conclusions I and II

Question ID : 630680323574
Option 1 ID : 6306801258804
Option 2 ID : 6306801258801
Option 3 ID : 6306801258802
Option 4 ID : 6306801258803
Status : Answered
Chosen Option : 2

Q.8 A, B, C, D, E, Fare 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 third to the right of A?

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

Question ID : 630680323571
Option 1 ID : 6306801258792
Option 2 ID : 6306801258791
Option 3 ID : 6306801258789
Option 4 ID : 6306801258790
Status : Answered
Chosen Option : 4

Q.9 Jagdish and Pradeep are roaming in a market when they meet Ashok who is the son of the only son of Jagdish's mother's husband. How is Ashoka related to Jagdish?

- Ans
- ☒ 1. Grand son
 - ☒ 2. Son
 - ☒ 3. Father
 - ☒ 4. Grand Father

Question ID : 630680323589
Option 1 ID : 6306801258864
Option 2 ID : 6306801258861
Option 3 ID : 6306801258862
Option 4 ID : 6306801258863
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.10 Which will replace the question mark in the given series?
9,12,18,?

- Ans
- ☒ 1. 39
 - ☒ 2. 25
 - ☒ 3. 35
 - ☒ 4. 29

Question ID : 630680323599
Option 1 ID : 6306801258904
Option 2 ID : 6306801258903
Option 3 ID : 6306801258902
Option 4 ID : 6306801258901
Status : Answered
Chosen Option : 1

Q.11 Which will replace the question mark?
Lbw:cricket::bully:?

- Ans
- ☒ 1. Shooting
 - ☒ 2. Polo
 - ☒ 3. Football
 - ☒ 4. Hockey

Question ID : 630680323590
Option 1 ID : 6306801258868
Option 2 ID : 6306801258867
Option 3 ID : 6306801258865
Option 4 ID : 6306801258866
Status : Answered
Chosen Option : 1

Q.12 Which will replace the question mark in the given series?
8,16,26,?,52

- Ans
- ☒ 1. 20
 - ☒ 2. 126
 - ☒ 3. 38
 - ☒ 4. 32

Question ID : 630680323598
Option 1 ID : 6306801258897
Option 2 ID : 6306801258898
Option 3 ID : 6306801258899
Option 4 ID : 6306801258900
Status : Answered
Chosen Option : 3

Q.13 What day was it on 25 June 1981 AD ?

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

Question ID : 630680323572
Option 1 ID : 6306801258793
Option 2 ID : 6306801258796
Option 3 ID : 6306801258795
Option 4 ID : 6306801258794
Status : Answered
Chosen Option : 4

Q.14 Which among the following is different from others?
44,55,88,99,110,109

- Ans
- ☒ 1. 88
 - ☒ 2. 109
 - ☒ 3. 99
 - ☒ 4. 110

Question ID : 630680323596
Option 1 ID : 6306801258892
Option 2 ID : 6306801258891
Option 3 ID : 6306801258889
Option 4 ID : 6306801258890
Status : Answered
Chosen Option : 2

Q.15 Which will replace the question mark?
Red,Green,Yellow, Orange

- Ans
- ☒ 1. Green
 - ☒ 2. Yellow
 - ☒ 3. Red
 - ☒ 4. Orange

Question ID : 630680323580
Option 1 ID : 6306801258828
Option 2 ID : 6306801258825
Option 3 ID : 6306801258826
Option 4 ID : 6306801258827
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.16 Pointing to a picture, Anand says that the woman in this picture is the wife of my father's wife's father. How is the woman in the photograph related to Anand?

- Ans
- ☐ 1. Mother
 - ☐ 2. Aunty
 - ☒ 3. Maternal grand mother
 - ☐ 4. Paternal grand mother

Question ID : 630680323588

Option 1 ID : 6306801258857

Option 2 ID : 6306801258860

Option 3 ID : 6306801258859

Option 4 ID : 6306801258858

Status : Answered

Chosen Option : 4

Q.17 Which will replace the question mark?
COMPUTER:8::TELEVISION:?

- Ans
- ☐ 1. 11
 - ☐ 2. 9
 - ☒ 3. 10
 - ☐ 4. 7

Question ID : 630680323592

Option 1 ID : 6306801258876

Option 2 ID : 6306801258874

Option 3 ID : 6306801258875

Option 4 ID : 6306801258873

Status : Answered

Chosen Option : 3

Q.18 Find the one which is different from the rest.
India, Sri Lanka, Bhutan, Bihar

- Ans
- ☒ 1. Bihar
 - ☐ 2. Bhutan
 - ☐ 3. India
 - ☐ 4. Sri Lanka

Question ID : 630680323581

Option 1 ID : 6306801258832

Option 2 ID : 6306801258829

Option 3 ID : 6306801258831

Option 4 ID : 6306801258830

Status : Answered

Chosen Option : 4

Q.19 Which among the following is different from others?
6,12,22,24,33

- Ans
- ☐ 1. 12
 - ☐ 2. 22
 - ☒ 3. 33
 - ☐ 4. 6

Question ID : 630680323595

Option 1 ID : 6306801258887

Option 2 ID : 6306801258888

Option 3 ID : 6306801258885

Option 4 ID : 6306801258886

Status : Answered

Chosen Option : 2

Q.20 If A>B>C>D>E>F>G>H, Then which of the following Options will be correct.

- Ans  1. D<E
 2. B>A
 3. H>G
 4. H<G

Question ID : 630680323576
Option 1 ID : 6306801258812
Option 2 ID : 6306801258809
Option 3 ID : 6306801258810
Option 4 ID : 6306801258811
Status : Answered
Chosen Option : 1

Q.21 If MAN is written as EQR in a certain code language, then how will TAP be written in that code language?

- Ans  1. TEX
 2. XTE
 3. ETX
 4. EXT

Question ID : 630680323585
Option 1 ID : 6306801258848
Option 2 ID : 6306801258846
Option 3 ID : 6306801258845
Option 4 ID : 6306801258847
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.22 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 third to the left of A?

- Ans  1. E
 2. D
 3. B
 4. A

Question ID : 630680323570
Option 1 ID : 6306801258785
Option 2 ID : 6306801258787
Option 3 ID : 6306801258786
Option 4 ID : 6306801258788
Status : Answered
Chosen Option : 3

Q.23 Which among the following is different from others?
Flute, drum, Guitar, Ball

- Ans  1. Flute
 2. Drum
 3. Ball
 4. Guitar

Question ID : 630680323594
Option 1 ID : 6306801258882
Option 2 ID : 6306801258881
Option 3 ID : 6306801258883
Option 4 ID : 6306801258884
Status : Answered
Chosen Option : 3

Q.24 Which will replace the question mark in the given series?
ABC:123::TUV:?

- Ans ☒ 1. 202122
- ☒ 2. 202221
- ☒ 3. 222021
- ☒ 4. 212021

Question ID : 630680323578
Option 1 ID : 6306801258819
Option 2 ID : 6306801258818
Option 3 ID : 6306801258820
Option 4 ID : 6306801258817
Status : Answered
Chosen Option : 1

Q.25 Sunil walks 10 km towards north from a point E. After walking he turned to his left and walked another 10 km and then stopped. In which direction is Sunil standing now from his starting point?

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

Question ID : 630680323587
Option 1 ID : 6306801258854
Option 2 ID : 6306801258856
Option 3 ID : 6306801258855
Option 4 ID : 6306801258853
Status : Answered
Chosen Option : 1

Q.26 In a certain code language, if JAC is written as 523, GOAT as 7829 and EAR as 621, then how will GATE be written in that code?

- Ans ☒ 1. 7296
- ☒ 2. 7269
- ☒ 3. 7629
- ☒ 4. 7962

Question ID : 630680323586
Option 1 ID : 6306801258850
Option 2 ID : 6306801258849
Option 3 ID : 6306801258852
Option 4 ID : 6306801258851
Status : Answered
Chosen Option : 1

Q.27 Which will replace the question mark in the given series?
Z26A1, ?25B2

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

Question ID : 630680323579
Option 1 ID : 6306801258823
Option 2 ID : 6306801258824
Option 3 ID : 6306801258822
Option 4 ID : 6306801258821
Status : Answered
Chosen Option : 4

Q.28 Which among the following is different from others?
999,306,207,702,655

- Ans
- ☐ 1. 207
 - ☐ 2. 306
 - ☐ 3. 999
 - ☒ 4. 655

Question ID : 630680323597
Option 1 ID : 6306801258894
Option 2 ID : 6306801258895
Option 3 ID : 6306801258896
Option 4 ID : 6306801258893
Status : Answered
Chosen Option : 3

Q.29 Which will replace the question mark in the given series?
EFG,FGH,GHI,HIJ,?

- Ans
- ☐ 1. IKJ
 - ☒ 2. IJK
 - ☐ 3. JKI
 - ☐ 4. KJI

Question ID : 630680323582
Option 1 ID : 6306801258834
Option 2 ID : 6306801258835
Option 3 ID : 6306801258833
Option 4 ID : 6306801258836
Status : Answered
Chosen Option : 2

Q.30 Select the correct option based on the statements and conclusions given below?

Statement:-
I. Some rooms are stones.
II. All stones are radios.

Conclusion:-
I. Some rooms are radios.
II. Some stones are rooms.

- Ans
- ☒ 1. Conclusions I and II
 - ☐ 2. Neither I nor II Conclusion
 - ☐ 3. only I conclusion
 - ☐ 4. Only II Conclusion

Question ID : 630680323575
Option 1 ID : 6306801258808
Option 2 ID : 6306801258807
Option 3 ID : 6306801258805
Option 4 ID : 6306801258806
Status : Answered
Chosen Option : 1

Q.1 As of February 2023, which of the following statements is/are correct regarding the Vande Bharat Express?
I. The first Vande Bharat Express train was flagged off on February 15, 2019.
II. Under the Amrit Bharat Station scheme, the highest number of stations identified is located in the state of Maharashtra followed by Madhya Pradesh.

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

Question ID : 630680323601
Option 1 ID : 6306801258910
Option 2 ID : 6306801258912
Option 3 ID : 6306801258911
Option 4 ID : 6306801258909
Status : Answered
Chosen Option : 3

Q.2 The Dedicated Freight Corridor Corporation of India Limited (DFCCIL) has approved the detailed project report (DPR) for a _____ km railway approach line — connecting New Dadri Dedicated Freight Corridor station to the upcoming multimodal logistics hub in Greater Noida.

- Ans ☒ 1. 26
☒ 2. 3
☒ 3. 35
☒ 4. 15

Question ID : 630680323602
Option 1 ID : 6306801258915
Option 2 ID : 6306801258913
Option 3 ID : 6306801258916
Option 4 ID : 6306801258914
Status : Answered
Chosen Option : 3

Q.3 As on 28 February 2023, which of the following is the part-time chairman of Dedicated Freight Corridor Corporation of India Limited?

- Ans ☒ 1. Ravindra Kumar Jain
☒ 2. Pankaj Saxena
☒ 3. Hira Ballabh
☒ 4. Anil Kumar Lahoti

Question ID : 630680323603
Option 1 ID : 6306801258917
Option 2 ID : 6306801258920
Option 3 ID : 6306801258919
Option 4 ID : 6306801258918
Status : Answered
Chosen Option : 3

Q.4 Which of the following states of India have/has 100% electrified broad-gauge network, as on July 1, 2023?
I. Uttar Pradesh
II. Karnataka
III. Uttarakhand

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

Question ID : 630680323606
Option 1 ID : 6306801258929
Option 2 ID : 6306801258930
Option 3 ID : 6306801258932
Option 4 ID : 6306801258931
Status : Answered
Chosen Option : 2

Q.5 India's first railway proposals were made in _____ in 1832.

- Ans
- ☒ 1. Calcutta
 - ☒ 2. Madras
 - ☒ 3. Travancore
 - ☒ 4. Bombay

Question ID : 630680323604
Option 1 ID : 6306801258921
Option 2 ID : 6306801258923
Option 3 ID : 6306801258922
Option 4 ID : 6306801258924
Status : Answered
Chosen Option : 2

Q.6 Which of the following is the first railway station in the North East Frontier Railway to have been awarded the 'Eat Right Station' certification by FSSAI in recognition of providing high-quality, nutritious food to passengers?

- Ans
- ☒ 1. Dimapur
 - ☒ 2. Silchar
 - ☒ 3. Guwahati
 - ☒ 4. Dibrugarh

Question ID : 630680323607
Option 1 ID : 6306801258933
Option 2 ID : 6306801258936
Option 3 ID : 6306801258935
Option 4 ID : 6306801258934
Status : Answered
Chosen Option : 4

Q.7 Which of the following is the first Indian state to achieve 100% railway network electrification?

- Ans
- ☒ 1. Goa
 - ☒ 2. Haryana
 - ☒ 3. Gujarat
 - ☒ 4. Kerala

Question ID : 630680323600
Option 1 ID : 6306801258907
Option 2 ID : 6306801258905
Option 3 ID : 6306801258908
Option 4 ID : 6306801258906
Status : Answered
Chosen Option : 2

Q.8 The western corridor of the dedicated freight corridor of the DFCCIL pass through which of the following states?

- Ans
- ☒ 1. Bihar
 - ☒ 2. Haryana
 - ☒ 3. Uttar Pradesh
 - ☒ 4. Jharkhand

Question ID : 630680323609
Option 1 ID : 6306801258943
Option 2 ID : 6306801258942
Option 3 ID : 6306801258941
Option 4 ID : 6306801258944
Status : Answered
Chosen Option : 2

Q.9 DFCCL, a special purpose vehicle (SPV) is engaged in planning, construction, operation and maintenance of the Dedicated Freight Corridors and in the first phase, the _____ corridors are being constructed for exclusively movement of Goods Trains.

- Ans ☒ 1. 2
☒ 2. 6
☒ 3. 4
☒ 4. 8

Question ID : 630680323608
Option 1 ID : 6306801258937
Option 2 ID : 6306801258939
Option 3 ID : 6306801258938
Option 4 ID : 6306801258940
Status : Answered
Chosen Option : 2

Q.10 In India, the first containerized freight service began between Bombay and Ahmedabad in _____.

- Ans ☒ 1. 1948
☒ 2. 1966
☒ 3. 1954
☒ 4. 1960

Question ID : 630680323605
Option 1 ID : 6306801258927
Option 2 ID : 6306801258928
Option 3 ID : 6306801258926
Option 4 ID : 6306801258925
Status : Answered
Chosen Option : 3