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**Previous Year Paper
(Computer Science)
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Participant Name	
Test Center Name	
Test Date	25/06/2023
Test Time	4:30 PM - 6:30 PM
Subject	TGT Computer Science

Section : General intelligence and Reasoning Ability

Q.1 Seven persons, A, B, C, D, E, F and G, are sitting around a circular table and facing the centre. Only A is between E and D. Only F is between B and G. B is second to the right of E. Which of the following is the correct position of G?

- Ans
- ✗ 1. Fourth to the left of E
 - ✗ 2. Second to the right of C
 - ✓ 3. Second to the left of A
 - ✗ 4. To the immediate left of F

Question ID : 630680261499
Option 1 ID : 6306801016254
Option 2 ID : 6306801016252
Option 3 ID : 6306801016251
Option 4 ID : 6306801016253

Q.2 A lady starts walking from her house and goes 6 m towards the east direction. Then, she turns right and walks 4 m. After that, she turns left and walks 3 m. Then, she turns right and walks 8 m and reaches her office. Find the shortest distance between her house and office.

- Ans
- ✗ 1. 17 m
 - ✗ 2. 20 m
 - ✗ 3. 16 m
 - ✓ 4. 15 m

Question ID : 630680261505
Option 1 ID : 6306801016275
Option 2 ID : 6306801016277
Option 3 ID : 6306801016276
Option 4 ID : 6306801016278

Q.3 If '+' means 'division', '×' means 'subtraction', '÷' means 'addition' and '-' means 'multiplication', then find the value of the following expression.
 $35 + 7 - 8 \div 25 \times 2$

- Ans**
- ☒ 1. 55
 - ☒ 2. 63
 - ☒ 3. 50
 - ☒ 4. 62

Question ID : 630680261516
Option 1 ID : 6306801016321
Option 2 ID : 6306801016319
Option 3 ID : 6306801016322
Option 4 ID : 6306801016320

Q.4 Among six boys, Varun is taller than Mohit but not as tall as Ram. Jayant is taller than Dutta but shorter than Mohit. Dutta is taller than Keshav. Who is the tallest in the group?

- Ans**
- ☒ 1. Mohit
 - ☒ 2. Ram
 - ☒ 3. Jayant
 - ☒ 4. Dutta

Question ID : 630680261502
Option 1 ID : 6306801016264
Option 2 ID : 6306801016265
Option 3 ID : 6306801016263
Option 4 ID : 6306801016266

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
Some dogs are whites.
Some whites are lights.
All lights are candles.

Conclusions:
I. Some candles are dogs.
II. Some candles are whites.
III. Some lights are dogs.

- Ans**
- ☒ 1. Only II follows.
 - ☒ 2. I and II follow.
 - ☒ 3. Only I follows.
 - ☒ 4. III follows.

Question ID : 630680261501
Option 1 ID : 6306801016260
Option 2 ID : 6306801016261
Option 3 ID : 6306801016259
Option 4 ID : 6306801016262

Q.6 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 11, 25, 46, 74, ?

Ans ✓ 1. 109

✗ 2. 106

✗ 3. 111

✗ 4. 103

Question ID : 630680261513
Option 1 ID : 6306801016309
Option 2 ID : 6306801016308
Option 3 ID : 6306801016310
Option 4 ID : 6306801016307

Q.7 A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Statement:

Should youth be encouraged to start businesses?

Arguments:

I. Yes, it will help in the industrial development of the country.

II. Yes, they will reduce the burden on the job market.

Ans ✗ 1. Only argument II is strong.

✓ 2. Both I and II are strong.

✗ 3. Neither I nor II is strong.

✗ 4. Only argument I is strong.

Question ID : 630680261509
Option 1 ID : 6306801016292
Option 2 ID : 6306801016293
Option 3 ID : 6306801016294
Option 4 ID : 6306801016291

Q.8 'X \$ Y' means 'X is the wife of Y',

'X # Y' means 'X is the son of Y',

'X % Y' means 'X is the father of Y' and

'X @ Y' means 'X is the sister of Y'.

In 'M @ T # F % H', how is M related to H?

Ans ✗ 1. Brother

✗ 2. Mother

✓ 3. Sister

✗ 4. Daughter

Question ID : 630680261506
Option 1 ID : 6306801016280
Option 2 ID : 6306801016279
Option 3 ID : 6306801016281
Option 4 ID : 6306801016282

Q.9 What approximate value should come in place of the question mark (?) in the following equation?

$$45.98 - 94.98 \div 19.02 + 34.92 \times 8.02 = ?$$

- Ans**
- ☒ 1. 311
 - ☒ 2. 341
 - ☒ 3. 330
 - ☒ 4. 321

Question ID : 630680261518
Option 1 ID : 6306801016327
Option 2 ID : 6306801016330
Option 3 ID : 6306801016329
Option 4 ID : 6306801016328

Q.10 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans**
- ☒ 1. 49-7
 - ☒ 2. 64-8
 - ☒ 3. 81-9
 - ☒ 4. 120-11

Question ID : 630680261514
Option 1 ID : 6306801016313
Option 2 ID : 6306801016314
Option 3 ID : 6306801016312
Option 4 ID : 6306801016311

Q.11 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans**
- ☒ 1. 18-72
 - ☒ 2. 50-190
 - ☒ 3. 46-174
 - ☒ 4. 30-110

Question ID : 630680261515
Option 1 ID : 6306801016318
Option 2 ID : 6306801016315
Option 3 ID : 6306801016316
Option 4 ID : 6306801016317

Q.12 Select the correct water image of the given figure from the four options given.



Ans

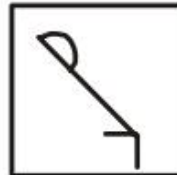
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 630680261512
Option 1 ID : 6306801016306
Option 2 ID : 6306801016304
Option 3 ID : 6306801016305
Option 4 ID : 6306801016303

Q.13 How many such pairs of letters are there in the word 'POSITIVE' each of which has as many letters between them as in the English alphabetical series when counted from both forward and backward directions?

Ans

✗ 1. One

✗ 2. Two

✓ 3. More than three

✗ 4. Three

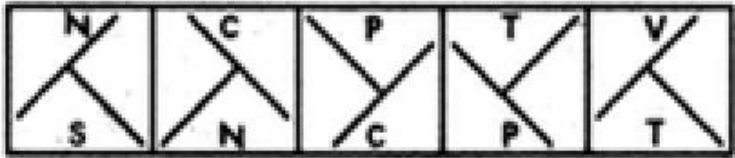
Question ID : 630680261503
Option 1 ID : 6306801016270
Option 2 ID : 6306801016267
Option 3 ID : 6306801016269
Option 4 ID : 6306801016268

Q.14 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans
- ✗ 1. KP
 - ✓ 2. CY
 - ✗ 3. IR
 - ✗ 4. FU

Question ID : 630680261508
Option 1 ID : 6306801016288
Option 2 ID : 6306801016290
Option 3 ID : 6306801016287
Option 4 ID : 6306801016289

Q.15 Select the figure that will come next in the following series.



Ans

- ✗ 1.
- ✗ 2.
- ✓ 3.
- ✗ 4.

Question ID : 630680261510
Option 1 ID : 6306801016295
Option 2 ID : 6306801016296
Option 3 ID : 6306801016298
Option 4 ID : 6306801016297

Q.16 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans
- ☒ 1. DEHG
 - ☒ 2. RSVU
 - ☒ 3. LMQP
 - ☒ 4. JKNM

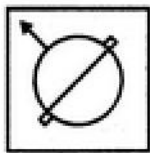
Question ID : 630680261507
Option 1 ID : 6306801016283
Option 2 ID : 6306801016284
Option 3 ID : 6306801016286
Option 4 ID : 6306801016285

Q.17 Answer the given question based on the following series.
(Left) AAFBBFUUABFFAUCBBBFFCCCCACAUUAABCCUFFCAUCCC (Right)
How many C's in the above arrangement are immediately followed by a vowel?

- Ans
- ☒ 1. Five
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. Four

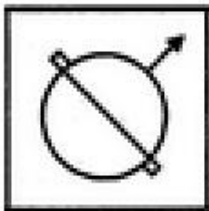
Question ID : 630680261504
Option 1 ID : 6306801016273
Option 2 ID : 6306801016271
Option 3 ID : 6306801016272
Option 4 ID : 6306801016274

Q.18 Select the correct mirror image of the given figure when the mirror is placed at the right side.



Ans

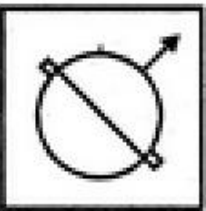
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 630680261511
Option 1 ID : 6306801016301
Option 2 ID : 6306801016302
Option 3 ID : 6306801016299
Option 4 ID : 6306801016300

Q.19 In a class consisting of only girls, Amiksha got the 12th rank, and she was 41st from the bottom of the list of girls passed. Three girls did not take the examination, and one girl failed. What is the total strength of the class?

- Ans
- ✗ 1. 55
 - ✓ 2. 56
 - ✗ 3. 52
 - ✗ 4. 53

Question ID : 630680261500
Option 1 ID : 6306801016256
Option 2 ID : 6306801016257
Option 3 ID : 6306801016258
Option 4 ID : 6306801016255

Q.20 Which two numbers should be interchanged to make the following equation correct?

$40 + 20 \times 65 \div 13 - 18 = 110$

- Ans
- ☒ 1. 13 and 18
 - ☒ 2. 20 and 18
 - ☒ 3. 20 and 13
 - ☒ 4. 40 and 13

Question ID : 630680261517
Option 1 ID : 6306801016326
Option 2 ID : 6306801016323
Option 3 ID : 6306801016324
Option 4 ID : 6306801016325

Section : General Awareness

Q.1 Which team won the 2022 FIFA U-17 Women's World Cup hosted in India from 11 to 30 October 2022?

- Ans
- ☒ 1. Spain
 - ☒ 2. Italy
 - ☒ 3. Germany
 - ☒ 4. India

Question ID : 630680261524
Option 1 ID : 6306801016352
Option 2 ID : 6306801016353
Option 3 ID : 6306801016354
Option 4 ID : 6306801016351

Q.2 What is India's rank in the World Happiness Report 2022, compiled and released by the United Nations Sustainable Development Solutions Network?

- Ans
- ☒ 1. 132
 - ☒ 2. 143
 - ☒ 3. 139
 - ☒ 4. 136

Question ID : 630680261521
Option 1 ID : 6306801016339
Option 2 ID : 6306801016342
Option 3 ID : 6306801016341
Option 4 ID : 6306801016340

Q.3 The sinuous curves made by a river along its course are known as ____.

- Ans
- ☒ 1. aretes
 - ☒ 2. meanders
 - ☒ 3. moraines
 - ☒ 4. cirques

Question ID : 630680261531
Option 1 ID : 6306801016379
Option 2 ID : 6306801016381
Option 3 ID : 6306801016382
Option 4 ID : 6306801016380

Q.4 Which of the following is India's first intranasal vaccine approved by DCGI for primary immunization against COVID-19 in the 18+ age group for restricted use in an emergency situation?

- Ans
- ☒ 1. NasCoVac
 - ☒ 2. BBV154
 - ☒ 3. Convidecia Air
 - ☒ 4. Spikevax

Question ID : 630680261520
Option 1 ID : 6306801016337
Option 2 ID : 6306801016336
Option 3 ID : 6306801016335
Option 4 ID : 6306801016338

Q.5 What is the rank of India in the Environment Performance Index 2022 released by the World Bank in June 2022?

- Ans
- ☒ 1. 180
 - ☒ 2. 100
 - ☒ 3. 130
 - ☒ 4. 160

Question ID : 630680261530
Option 1 ID : 6306801016378
Option 2 ID : 6306801016375
Option 3 ID : 6306801016376
Option 4 ID : 6306801016377

Q.6 Glomerulonephritis are part of human ____ system.

- Ans
- ☒ 1. reproductive
 - ☒ 2. respiratory
 - ☒ 3. excretory
 - ☒ 4. circulatory

Question ID : 630680261534
Option 1 ID : 6306801016394
Option 2 ID : 6306801016391
Option 3 ID : 6306801016393
Option 4 ID : 6306801016392

Q.7 Recently for which crop Government of India granted the environmental clearance for the indigenously developed genetically modified seeds?

- Ans
- ☒ 1. Mustard
 - ☐ 2. Groundnut
 - ☐ 3. Bajra
 - ☐ 4. Maize

Question ID : 630680261519
Option 1 ID : 6306801016331
Option 2 ID : 6306801016334
Option 3 ID : 6306801016333
Option 4 ID : 6306801016332

Q.8 Which of the following used to be a unit of currency during the Delhi sultanate period?

- Ans
- ☐ 1. Paisa
 - ☐ 2. Tola
 - ☐ 3. Mann
 - ☒ 4. Jittal

Question ID : 630680261526
Option 1 ID : 6306801016359
Option 2 ID : 6306801016362
Option 3 ID : 6306801016361
Option 4 ID : 6306801016360

Q.9 What is the SI unit of thermodynamic temperature as per the International System of Units?

- Ans
- ☒ 1. Kelvin
 - ☐ 2. Thermos
 - ☐ 3. Fahrenheit
 - ☐ 4. Celsius

Question ID : 630680261535
Option 1 ID : 6306801016397
Option 2 ID : 6306801016398
Option 3 ID : 6306801016396
Option 4 ID : 6306801016395

Q.10 Which scheme was launched to bring back out-of-school adolescent girls in India to the formal education and/or skilling system by the Ministry of Women and Child Development (MoWCD) in March 2022?

- Ans
- ☐ 1. She is a Changemaker
 - ☐ 2. CBSE Udaan scheme
 - ☒ 3. Kanya Shiksha Pravesh Utsav
 - ☐ 4. Balika Samridhi Yojana

Question ID : 630680261522
Option 1 ID : 6306801016344
Option 2 ID : 6306801016346
Option 3 ID : 6306801016343
Option 4 ID : 6306801016345

Q.11 The power of the governor to promulgate Ordinances during recess of the Legislature is defined in Article _____ of the Indian Constitution.

- Ans
- ☐ 1. 221
 - ☐ 2. 217
 - ☐ 3. 209
 - ☒ 4. 213

Question ID : 630680261538
Option 1 ID : 6306801015662
Option 2 ID : 6306801015661
Option 3 ID : 6306801015659
Option 4 ID : 6306801015660

Q.12 What is the angle of inclination of the International Space Station's orbit compared to the equator?

- Ans
- ☐ 1. 66.8 degrees
 - ☐ 2. 0 degrees
 - ☒ 3. 51.6 degrees
 - ☐ 4. 22.5 degrees

Question ID : 630680261533
Option 1 ID : 6306801016390
Option 2 ID : 6306801016387
Option 3 ID : 6306801016389
Option 4 ID : 6306801016388

Q.13 Which of the following was the first amendment to the Indian Constitution passed in 1951 by the Provisional Parliament?

- Ans
- ☐ 1. Right against Exploitation
 - ☐ 2. Right to Freedom of religion
 - ☐ 3. Cultural and Educational Rights
 - ☒ 4. Right to Freedom of Speech and expression

Question ID : 630680261536
Option 1 ID : 6306801016401
Option 2 ID : 6306801016400
Option 3 ID : 6306801016402
Option 4 ID : 6306801016399

Q.14 Which of the following is/are true about the demand curve?

- i. It reflects the law of demand.
- ii. It's the plots of quantities demanded at various price.
- iii. It is positively sloped.

- Ans
- ☒ 1. Only i
 - ☒ 2. Both I and ii
 - ☒ 3. Both I and iii
 - ☒ 4. Both ii and iii

Question ID : 630680261529
Option 1 ID : 6306801016374
Option 2 ID : 6306801016371
Option 3 ID : 6306801016372
Option 4 ID : 6306801016373

Q.15 Which state will host the Fifth Khelo India Youth Games 2022 from 31 January to 11 February 2023?

- Ans
- ☒ 1. Madhya Pradesh
 - ☒ 2. Maharashtra
 - ☒ 3. Gujarat
 - ☒ 4. Karnataka

Question ID : 630680261523
Option 1 ID : 6306801016349
Option 2 ID : 6306801016347
Option 3 ID : 6306801016348
Option 4 ID : 6306801016350

Q.16 According to the Economic Survey of India, 2021-22, which of the following states has the highest per capita availability of milk?

- Ans
- ☒ 1. Rajasthan
 - ☒ 2. Uttar Pradesh
 - ☒ 3. Haryana
 - ☒ 4. Punjab

Question ID : 630680261532
Option 1 ID : 6306801016383
Option 2 ID : 6306801016386
Option 3 ID : 6306801016384
Option 4 ID : 6306801016385

Q.17 Which of the following titles was assumed by the Chola King Rajendra I to commemorate his victory over the local kings after crossing the river Ganga?

- Ans
- ☐ 1. Vikramaditya
 - ☐ 2. Gangaraj
 - ☐ 3. Gangavijayi Chola
 - ☒ 4. Gangaikonda Chola

Question ID : 630680261525
Option 1 ID : 6306801016355
Option 2 ID : 6306801016356
Option 3 ID : 6306801016358
Option 4 ID : 6306801016357

Q.18 As of December 2022, who is the Lieutenant Governor of the Union territory of Jammu and Kashmir?

- Ans
- ☐ 1. Radha Krishan Mathur
 - ☒ 2. Manoj Sinha
 - ☐ 3. Praful Patel
 - ☐ 4. Vinai Kumar Saxena

Question ID : 630680261537
Option 1 ID : 6306801016406
Option 2 ID : 6306801016404
Option 3 ID : 6306801016405
Option 4 ID : 6306801016403

Q.19 Who signed the Poona Pact on behalf of Hindus and MK Gandhi?

- Ans
- ☒ 1. M M Malaviya
 - ☐ 2. V J Patel
 - ☐ 3. S C Bose
 - ☐ 4. J L Nehru

Question ID : 630680261527
Option 1 ID : 6306801016364
Option 2 ID : 6306801016365
Option 3 ID : 6306801016366
Option 4 ID : 6306801016363

Q.20 The dance hall in the Sun Temple at Konark is referred to as _____.

- Ans
- ☐ 1. Jamagohana
 - ☒ 2. Nat Mandir
 - ☐ 3. Shikhara
 - ☐ 4. Vimana

Question ID : 630680261528
Option 1 ID : 6306801016369
Option 2 ID : 6306801016370
Option 3 ID : 6306801016368
Option 4 ID : 6306801016367

Section : Arithmetical and Numerical Ability

Q.1 A hemispherical tank full of water is emptied by a pipe at the rate of 5 l/sec. How much time (in minutes) will it take to make the tank half-empty, if the tank is 5.6 m in diameter? (Correct to two decimal places and use $\pi = \frac{22}{7}$).

- Ans**
- ☒ 1. 82.26
 - ☒ 2. 76.66
 - ☒ 3. 78.85
 - ☒ 4. 72.25

Question ID : 630680261556
Option 1 ID : 6306801016418
Option 2 ID : 6306801016416
Option 3 ID : 6306801016417
Option 4 ID : 6306801016415

Q.2 Suppose p varies as the sum of two quantities of which one varies directly as q, and the other inversely as q. If p = 21 when q = 5 and p = $12\frac{5}{3}$ when q = 3, then the relation between p and q is:

- Ans**
- ☒ 1. $p = 4q + \frac{5}{q}$
 - ☒ 2. $p = 3q - \frac{5}{q}$
 - ☒ 3. $p = 3q + \frac{5}{q}$
 - ☒ 4. $p = 4q - \frac{5}{q}$

Question ID : 630680261547
Option 1 ID : 6306801015697
Option 2 ID : 6306801015696
Option 3 ID : 6306801015695
Option 4 ID : 6306801015698

Q.3 Shiva bought a bicycle at 15% discount on the labelled price. Had he bought it at 21% discount, he would have saved ₹ 540. The labelled price of the bicycle (in ₹) is:

- Ans**
- ☒ 1. 8,000
 - ☒ 2. 7,500
 - ☒ 3. 9,500
 - ☒ 4. 9,000

Question ID : 630680261543
Option 1 ID : 6306801015680
Option 2 ID : 6306801015679
Option 3 ID : 6306801015682
Option 4 ID : 6306801015681

Q.4 Vidhya covers a distance of 8 km in 40 minutes. If she covers half the distance in $\frac{3}{5}$ of the time, what speed (in km/h) should she maintain to cover the remaining distance in the remaining time?

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

Question ID : 630680261549
 Option 1 ID : 6306801015705
 Option 2 ID : 6306801015704
 Option 3 ID : 6306801015703
 Option 4 ID : 6306801015706

Q.5 The second of three numbers is 3 times the first number, and the third is 5 times the first number. If the average of the three numbers is 12, then the smallest of the three numbers is:

- Ans**
- ☒ 1. 4
 - ☒ 2. 1
 - ☒ 3. 2
 - ☒ 4. 12

Question ID : 630680261540
 Option 1 ID : 6306801015669
 Option 2 ID : 6306801015667
 Option 3 ID : 6306801015668
 Option 4 ID : 6306801015670

Q.6 By what least number should 1452 be multiplied to make it a perfect square?

- Ans**
- ☒ 1. 11
 - ☒ 2. 13
 - ☒ 3. 3
 - ☒ 4. 9

Question ID : 630680261557
 Option 1 ID : 6306801016421
 Option 2 ID : 6306801016422
 Option 3 ID : 6306801016419
 Option 4 ID : 6306801016420

Q.7

The value of $(25^{5.4} \times 5^{6.2}) \div [(125)^{4.2} \times (\sqrt[3]{5})^{10.2}]$ is:

Ans

☐ 1. $\frac{1}{5}$

☐ 2. 1

☒ 3. 5

☐ 4. 25

Question ID : 630680261539
Option 1 ID : 6306801015663
Option 2 ID : 6306801015664
Option 3 ID : 6306801015665
Option 4 ID : 6306801015666

Q.8

Yash's expenditure for a month is ₹ 15,000 and his savings are 20% of the monthly expenditure. If his monthly income increases by 15% and monthly savings increase by 5%, then what is the net increase (in ₹) in his monthly expenditure?

Ans

☐ 1. 2,650

☐ 2. 2,800

☒ 3. 2,550

☐ 4. 2,500

Question ID : 630680261542
Option 1 ID : 6306801015677
Option 2 ID : 6306801015678
Option 3 ID : 6306801015676
Option 4 ID : 6306801015675

Q.9

In a company of 432 employees, the ratio of male to female employees is 5 : 4. When some new female employees joined the company, the ratio become 3 : 5. How many new female employees have joined in the company?

Ans

☒ 1. 208

☐ 2. 184

☐ 3. 204

☐ 4. 206

Question ID : 630680261545
Option 1 ID : 6306801015690
Option 2 ID : 6306801015687
Option 3 ID : 6306801015689
Option 4 ID : 6306801015688

Q.10 A cone of height 14 cm and radius 6 cm is cut into two parts at half its height. The cut is given parallel to its circular base. What is the ratio of the curved surface area of the original cone and the curved surface area of the frustum?

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

Question ID : 630680261555
Option 1 ID : 6306801016413
Option 2 ID : 6306801016412
Option 3 ID : 6306801016414
Option 4 ID : 6306801016411

Q.11 A motorboat goes 24 km upstream and comes back to the starting point in a total of one hour and 48 minutes. The stream is running at 3 km/h. How much time (in hours) will it take to go 38.4 km upstream and 42 km downstream?

- Ans**
- ☒ 1. 2
 - ☒ 2. 4
 - ☒ 3. 3.5
 - ☒ 4. 3

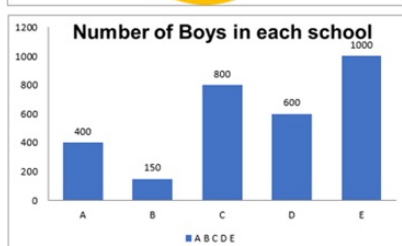
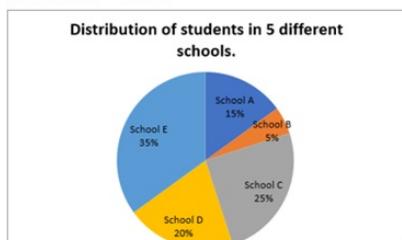
Question ID : 630680261550
Option 1 ID : 6306801015707
Option 2 ID : 6306801015710
Option 3 ID : 6306801015709
Option 4 ID : 6306801015708

Q.12 Three friends divide an amount of ₹ 7,200 among themselves in the ratio of 5 : 4 : 9, respectively. If an amount of ₹ 400 is added to each of their shares, what will be the new ratio of their shares?

- Ans**
- ☒ 1. 6 : 5 : 10
 - ☒ 2. 6 : 5 : 12
 - ☒ 3. 6 : 7 : 10
 - ☒ 4. 5 : 4 : 9

Question ID : 630680261546
Option 1 ID : 6306801015692
Option 2 ID : 6306801015693
Option 3 ID : 6306801015694
Option 4 ID : 6306801015691

Q.13 Study the given pie-chart and bar graph to answer the question that follows. Total number of students = 5000.



What is the ratio of the number of boys in school C, the number of girls in school B and the total number of students in School E?

- Ans**
- ☒ 1. 16 : 2 : 30
 - ☒ 2. 15 : 2 : 35
 - ☒ 3. 16 : 2 : 35
 - ☒ 4. 16 : 5 : 35

Question ID : 630680261553
Option 1 ID : 6306801015721
Option 2 ID : 6306801015719
Option 3 ID : 6306801015722
Option 4 ID : 6306801015720

Q.14 If on a marked price, the difference of selling prices with a discount of 39% and two successive discounts of 15% and 20% is ₹112, then the marked price (in ₹) is:

- Ans**
- ☒ 1. 1,700
 - ☒ 2. 1,750
 - ☒ 3. 1,600
 - ☒ 4. 1,650

Question ID : 630680261544
Option 1 ID : 6306801015685
Option 2 ID : 6306801015686
Option 3 ID : 6306801015683
Option 4 ID : 6306801015684

Q.15 A takes 6 days less than what B would have taken to complete a work, if each of them worked alone. If both A and B work together, they can complete the same work in $\frac{26}{5}$ days. How many days would A alone take to do $\frac{1}{3}$ of the same work?

- Ans**
- ☒ 1. 4
 - ☐ 2. 6
 - ☐ 3. 5
 - ☐ 4. 8

Question ID : 630680261552
Option 1 ID : 6306801015715
Option 2 ID : 6306801015717
Option 3 ID : 6306801015716
Option 4 ID : 6306801015718

Q.16 The compound amount of a certain sum of money in 4 years and 5 years becomes ₹ 10,210.46 and ₹ 11,027.30, respectively. The rate of interest, approximately, is:

- Ans**
- ☐ 1. 8.25%
 - ☐ 2. 8.50%
 - ☒ 3. 8.0%
 - ☐ 4. 7.5%

Question ID : 630680261548
Option 1 ID : 6306801015701
Option 2 ID : 6306801015702
Option 3 ID : 6306801015700
Option 4 ID : 6306801015699

Q.17 The average age of a group of 15 students was 28 years. The average age increased by 2 years when five new students joined the group. What is the average age (in years) of the five new students who joined the group?

- Ans**
- ☐ 1. 42
 - ☐ 2. 45
 - ☒ 3. 36
 - ☐ 4. 38

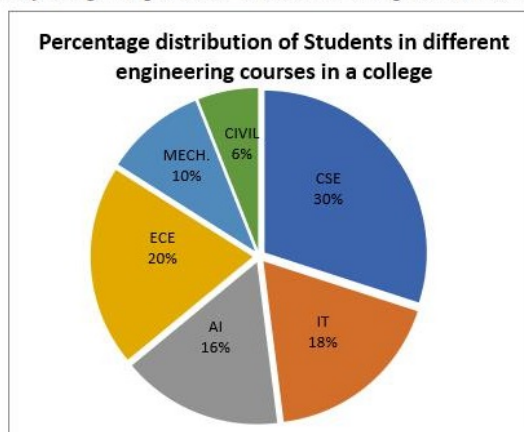
Question ID : 630680261558
Option 1 ID : 6306801016425
Option 2 ID : 6306801016426
Option 3 ID : 6306801016423
Option 4 ID : 6306801016424

Q.18 A number when reduced by 20% become 360. What per cent should it be increased so that it becomes 585?

- Ans ☒ 1. 30%
☒ 2. 20%
☒ 3. 10%
☒ 4. 40%

Question ID : 630680261541
Option 1 ID : 6306801015673
Option 2 ID : 6306801015672
Option 3 ID : 6306801015671
Option 4 ID : 6306801015674

Q.19 Study the given pie-chart and answer the question that follows.



The number of students in ECE is approximately what percentage of the number of students in CSE?

- Ans ☒ 1. 71%
☒ 2. 59%
☒ 3. 61%
☒ 4. 67%

Question ID : 630680261554
Option 1 ID : 6306801016410
Option 2 ID : 6306801016407
Option 3 ID : 6306801016408
Option 4 ID : 6306801016409

Q.20 One pipe can fill a tank two times as fast as another pipe. If together the two pipes can fill the tank in 42 minutes, then the slower pipe alone will be able to fill the tank in:

- Ans**
- ☒ 1. 112 minutes
 - ☒ 2. 132 minutes
 - ☒ 3. 126 minutes
 - ☒ 4. 120 minutes

Question ID : 630680261551
Option 1 ID : 6306801015711
Option 2 ID : 6306801015714
Option 3 ID : 6306801015713
Option 4 ID : 6306801015712

Section : Test of English Language and Comprehension

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The girls or / their father / collects the newspapers / daily morning.

- Ans**
- ☒ 1. daily morning
 - ☒ 2. The girls or
 - ☒ 3. their father
 - ☒ 4. collects the newspapers

Question ID : 630680261572
Option 1 ID : 6306801015746
Option 2 ID : 6306801015743
Option 3 ID : 6306801015744
Option 4 ID : 6306801015745

Q.2 Select the most appropriate meaning of the given idiom.

To get someone's goat

- Ans**
- ☒ 1. To have a party
 - ☒ 2. To upset or irritate someone
 - ☒ 3. To make someone feel good
 - ☒ 4. To take on a difficult task

Question ID : 630680261570
Option 1 ID : 6306801015738
Option 2 ID : 6306801015736
Option 3 ID : 6306801015735
Option 4 ID : 6306801015737

Q.3 Select the option that contains no spelling error.

- Ans ☒ 1. The government has stubbornly refused to disclose its voluminous internal files to the media.
- ☐ 2. The government has stubbornly refused to disclose its volouminous internal files to the media.
- ☐ 3. The goverment has stubbornly refussed to disclose its voluminous internal files to the media.
- ☐ 4. The government has stubbornlly refused to disclose its volouminous internal files to the media.

Question ID : 630680261568
Option 1 ID : 6306801016452
Option 2 ID : 6306801016453
Option 3 ID : 6306801016451
Option 4 ID : 6306801016454

Q.4 The following sentence has been split into four segments. Identify the segment that contains a spelling error.

The speech was deliberately / designed / to embarrass / the Vice Chancellor.

- Ans ☐ 1. The speech was deliberately
- ☐ 2. designed
- ☐ 3. the Vice Chancellor
- ☒ 4. to embarrass

Question ID : 630680261569
Option 1 ID : 6306801016455
Option 2 ID : 6306801016456
Option 3 ID : 6306801016458
Option 4 ID : 6306801016457

Q.5 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- 1) The two men were last spotted “going strong” for the top, until the clouds perpetually swirling around Everest, engulfed them. They then vanished.
- 2) Tenzing, on the other hand, became a symbol of national pride across both Nepal and India.
- 3) Ten more expeditions followed before the news of the historic climb of Everest for the first time, by Edmund Hillary and Tenzing Norgay reached England at the time of the coronation of Queen Elizabeth and Hillary became famous overnight.
- 4) Mt. Everest has continued to attract ever since 8 June 1924, when two members of a British expedition George Mallory and Andrew Irvine first attempted to climb the summit.

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

Question ID : 630680261559
Option 1 ID : 6306801016427
Option 2 ID : 6306801016429
Option 3 ID : 6306801016430
Option 4 ID : 6306801016428

Q.6 Select the most appropriate form of the verbs given in the brackets to fill in the blanks.

There was a small gate at the bottom of their back garden that ____ (lead) into the overgrown lane ____ (run) by the wood. They unlatched the gate and ____ (stand) in the lane. They could see the trees in the wood and hear them ____ (talk) in their strange tree-talk.

- Ans
- ☒ 1. lead, running, stood, talking
 - ☒ 2. led, running, stood, talking
 - ☒ 3. Leading, running, standing, talking
 - ☒ 4. led, running, stand, talked

Question ID : 630680261561
Option 1 ID : 6306801016435
Option 2 ID : 6306801016436
Option 3 ID : 6306801016438
Option 4 ID : 6306801016437

Q.7 Select the option that can be used as a one-word substitute for the underlined group of words to fill in the blank.

Hemant is a ____ as he always lives alone and maintains very little contact with other people or society.

- Ans
- ☒ 1. recluse
 - ☒ 2. cleric
 - ☒ 3. stoic
 - ☒ 4. priest

Question ID : 630680261563
Option 1 ID : 6306801015724
Option 2 ID : 6306801015725
Option 3 ID : 6306801015723
Option 4 ID : 6306801015726

Q.8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- 1) Under the new regulations passed by the Nepalese government, climbers scaling Everest will have to bring back eight kilograms of garbage.
- 2) The eight kilograms of garbage to be brought back are exclusive of the climbers' own garbage weight.
- 3) Today, Mt. Everest is drawing attention for all the negative reasons.
- 4) The entire route that the climbers follow to reach the top is littered with rubbish which includes oxygen cylinders, human waste, and even climbers' bodies which do not decompose in the extreme cold.

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

Question ID : 630680261560
Option 1 ID : 6306801016434
Option 2 ID : 6306801016433
Option 3 ID : 6306801016432
Option 4 ID : 6306801016431

Q.9 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Make sure you work hardest /or you will /not be able to / score good marks.

- Ans ☒ 1. Make sure you work hardest
- ☐ 2. not be able to
- ☐ 3. score good marks.
- ☐ 4. or you will

Question ID : 630680261573
Option 1 ID : 6306801015747
Option 2 ID : 6306801015749
Option 3 ID : 6306801015750
Option 4 ID : 6306801015748

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

No sooner had she finishing her performance than the lights went out.

- Ans ☐ 1. No sooner have she finished
- ☒ 2. No sooner had she finished
- ☐ 3. No substitution required
- ☐ 4. No sooner has she finished

Question ID : 630680261564
Option 1 ID : 6306801015727
Option 2 ID : 6306801015729
Option 3 ID : 6306801015730
Option 4 ID : 6306801015728

Q.11 Select the most appropriate ANTONYM of the underlined word.

Religious leaders are venerated in all communities.

- Ans ☐ 1. Criticised
- ☒ 2. Despised
- ☐ 3. Accused
- ☐ 4. Respected

Question ID : 630680261566
Option 1 ID : 6306801016446
Option 2 ID : 6306801016444
Option 3 ID : 6306801016445
Option 4 ID : 6306801016443

Q.12 Select the most appropriate form of the verbs given in the brackets to fill in the blanks.

Mom _____ (say) the problem with society these days is that everybody's got their nose in a screen and nobody has the time to get to _____ (knew) the people who _____ (live) around them. I don't really _____ (saw) eye to eye with Mom on that issue, though.

- Ans
- ☐ 1. saying, know, lives, see
 - ☐ 2. said, knows, live, saw
 - ☐ 3. says, knowing, live, seeing
 - ☒ 4. says, know, live, see

Question ID : 630680261562

Option 1 ID : 6306801016441

Option 2 ID : 6306801016440

Option 3 ID : 6306801016439

Option 4 ID : 6306801016442

Q.13 Select the most appropriate option to fill in the blank with the correct collocation.

There must always be somebody with Harleen. She should not be left _____ at any time.

- Ans
- ☐ 1. of her own
 - ☐ 2. off her own
 - ☐ 3. by her own
 - ☒ 4. on her own

Question ID : 630680261565

Option 1 ID : 6306801015733

Option 2 ID : 6306801015734

Option 3 ID : 6306801015731

Option 4 ID : 6306801015732

Q.14 Select the most appropriate meaning of the given proverb.

Absence makes the heart grow fonder

- Ans
- ☐ 1. Absence of evil people makes life merrier
 - ☒ 2. To have more affection for those you love when parted from them
 - ☐ 3. To have more affection for those who are near you
 - ☐ 4. To have more affection for those you hate

Question ID : 630680261571

Option 1 ID : 6306801015742

Option 2 ID : 6306801015741

Option 3 ID : 6306801015739

Option 4 ID : 6306801015740

Q.15 Select the most appropriate homonym to fill in the blanks.

We need to _____ up the wall with a new wallpaper.
The _____ tree has grown very huge.

- Ans
- ☒ 1. teak ; teak
 - ☒ 2. spruce ; spruce
 - ☒ 3. oak ; oak
 - ☒ 4. fir ; fir

Question ID : 630680261567
Option 1 ID : 6306801016449
Option 2 ID : 6306801016447
Option 3 ID : 6306801016448
Option 4 ID : 6306801016450

Comprehension:

Read the given passage and answer the questions that follow.

Sacred trees form an important part of the ecological heritage of India. Most temples, towns, villages—and sometimes even Muslim dargahs— are associated with trees. Some plants are sacred to the individual deity; others are sacred to the place... Several plants have been worshipped in India from time immemorial. Wherever the tulsi grows—from the Indo-Gangetic plains to the shores of the Indian Ocean at Kanyakumari— it occupies a position of pride in the central courtyard of the house, tended to, carefully, by the housewife.

Apart from the elaborate myths connecting it to Krishna, the tulsi plant has several medicinal properties. To protect and revere this plant with so many medicinal properties, it was designated as sacred, a fitting tribute to its role in providing invaluable healthcare. The worship of plants is an ancient phenomenon in India. It is probably the oldest form of worship. The association of a single tree with a sacred sthala or sthana is reflected in the chaitya vriksha and sthala vriksha or literature and society.

When people turned to food production, the Mother Goddess or the Earth Mother became the chief deity. Fertility, creation, and the world of plants and animals became her blessings to her devotees. The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people. Spirits—good or bad—were believed to reside in trees. If the trees were worshipped, then the resident spirits were pleased. As sacred forests were replaced by agriculture, a single tree was left and was designated as 'sacred' tree.

The earliest temples were little more than images placed under trees. Later, the tree and the image were enclosed by a fence made of wood, followed even by stone. Numerous references are made in literature to trees as abodes of gods.

SubQuestion No : 16

Q.16 From the given options identify the most appropriate **ANTONYM** of the underlined word as used in the passage.

Some plants are sacred to the individual deity; others are sacred to the place.

- Ans
- ☒ 1. Spirit
 - ☒ 2. Creator
 - ☒ 3. Ogre
 - ☒ 4. Sanctity

Question ID : 630680261578
Option 1 ID : 6306801015763
Option 2 ID : 6306801015765
Option 3 ID : 6306801015766
Option 4 ID : 6306801015764

Comprehension:

Read the given passage and answer the questions that follow.

Sacred trees form an important part of the ecological heritage of India. Most temples, towns, villages—and sometimes even Muslim dargahs— are associated with trees. Some plants are sacred to the individual deity; others are sacred to the place... Several plants have been worshipped in India from time immemorial. Wherever the tulsi grows—from the Indo-Gangetic plains to the shores of the Indian Ocean at Kanyakumari— it occupies a position of pride in the central courtyard of the house, tended to, carefully, by the housewife.

Apart from the elaborate myths connecting it to Krishna, the tulsi plant has several medicinal properties. To protect and revere this plant with so many medicinal properties, it was designated as sacred, a fitting tribute to its role in providing invaluable healthcare. The worship of plants is an ancient phenomenon in India. It is probably the oldest form of worship. The association of a single tree with a sacred sthala or sthana is reflected in the chaitya vriksha and sthala vriksha or literature and society.

When people turned to food production, the Mother Goddess or the Earth Mother became the chief deity. Fertility, creation, and the world of plants and animals became her blessings to her devotees. The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people. Spirits—good or bad—were believed to reside in trees. If the trees were worshipped, then the resident spirits were pleased. As sacred forests were replaced by agriculture, a single tree was left and was designated as 'sacred' tree.

The earliest temples were little more than images placed under trees. Later, the tree and the image were enclosed by a fence made of wood, followed even by stone. Numerous references are made in literature to trees as abodes of gods.

SubQuestion No : 17

Q.17 Which of the following options is NOT a fact?

- Ans ☒ 1. Apart from the elaborate convictions connecting it to Krishna, the tulsi plant has several medicinal properties.
- ☒ 2. When people overlooked food production, the Mother Goddess or the Earth Mother became the chief pagan symbol.
- ☒ 3. Revered trees form an important part of the green heritage of India.
- ☒ 4. The worship of plants is an ancient uniqueness in India and probably the oldest form of worship.

Question ID : 630680261576
Option 1 ID : 6306801015756
Option 2 ID : 6306801015758
Option 3 ID : 6306801015755
Option 4 ID : 6306801015757

Comprehension:

Read the given passage and answer the questions that follow.

Sacred trees form an important part of the ecological heritage of India. Most temples, towns, villages—and sometimes even Muslim dargahs— are associated with trees. Some plants are sacred to the individual deity; others are sacred to the place... Several plants have been worshipped in India from time immemorial. Wherever the tulsi grows—from the Indo-Gangetic plains to the shores of the Indian Ocean at Kanyakumari— it occupies a position of pride in the central courtyard of the house, tended to, carefully, by the housewife.

Apart from the elaborate myths connecting it to Krishna, the tulsi plant has several medicinal properties. To protect and revere this plant with so many medicinal properties, it was designated as sacred, a fitting tribute to its role in providing invaluable healthcare. The worship of plants is an ancient phenomenon in India. It is probably the oldest form of worship. The association of a single tree with a sacred sthala or sthana is reflected in the chaitya vriksha and sthala vriksha or literature and society.

When people turned to food production, the Mother Goddess or the Earth Mother became the chief deity. Fertility, creation, and the world of plants and animals became her blessings to her devotees. The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people. Spirits—good or bad—were believed to reside in trees. If the trees were worshipped, then the resident spirits were pleased. As sacred forests were replaced by agriculture, a single tree was left and was designated as 'sacred' tree.

The earliest temples were little more than images placed under trees. Later, the tree and the image were enclosed by a fence made of wood, followed even by stone. Numerous references are made in literature to trees as abodes of gods.

SubQuestion No : 18

Q.18 Identify the structure of the passage.

- Ans ☒ 1. Descriptive
- ☐ 2. Cause and Effect
- ☐ 3. Compare and Contrast
- ☐ 4. Sequential

Question ID : 630680261577
Option 1 ID : 6306801015760
Option 2 ID : 6306801015762
Option 3 ID : 6306801015759
Option 4 ID : 6306801015761

Comprehension:

Read the given passage and answer the questions that follow.

Sacred trees form an important part of the ecological heritage of India. Most temples, towns, villages—and sometimes even Muslim dargahs— are associated with trees. Some plants are sacred to the individual deity; others are sacred to the place... Several plants have been worshipped in India from time immemorial. Wherever the tulsi grows—from the Indo-Gangetic plains to the shores of the Indian Ocean at Kanyakumari— it occupies a position of pride in the central courtyard of the house, tended to, carefully, by the housewife.

Apart from the elaborate myths connecting it to Krishna, the tulsi plant has several medicinal properties. To protect and revere this plant with so many medicinal properties, it was designated as sacred, a fitting tribute to its role in providing invaluable healthcare. The worship of plants is an ancient phenomenon in India. It is probably the oldest form of worship. The association of a single tree with a sacred sthala or sthana is reflected in the chaitya vriksha and sthala vriksha or literature and society.

When people turned to food production, the Mother Goddess or the Earth Mother became the chief deity. Fertility, creation, and the world of plants and animals became her blessings to her devotees. The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people. Spirits—good or bad—were believed to reside in trees. If the trees were worshipped, then the resident spirits were pleased. As sacred forests were replaced by agriculture, a single tree was left and was designated as 'sacred' tree.

The earliest temples were little more than images placed under trees. Later, the tree and the image were enclosed by a fence made of wood, followed even by stone. Numerous references are made in literature to trees as abodes of gods.

SubQuestion No : 19

Q.19 From the given options identify the most appropriate synonym of the underlined word as used in the passage.

The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people.

- Ans
- ☒ 1. Vilification
 - ☒ 2. Infatuation
 - ☒ 3. Glorification
 - ☒ 4. Attachment

Question ID : 630680261579
Option 1 ID : 6306801015770
Option 2 ID : 6306801015767
Option 3 ID : 6306801015768
Option 4 ID : 6306801015769

Comprehension:

Read the given passage and answer the questions that follow.

Sacred trees form an important part of the ecological heritage of India. Most temples, towns, villages—and sometimes even Muslim dargahs— are associated with trees. Some plants are sacred to the individual deity; others are sacred to the place... Several plants have been worshipped in India from time immemorial. Wherever the tulsi grows—from the Indo-Gangetic plains to the shores of the Indian Ocean at Kanyakumari— it occupies a position of pride in the central courtyard of the house, tended to, carefully, by the housewife.

Apart from the elaborate myths connecting it to Krishna, the tulsi plant has several medicinal properties. To protect and revere this plant with so many medicinal properties, it was designated as sacred, a fitting tribute to its role in providing invaluable healthcare. The worship of plants is an ancient phenomenon in India. It is probably the oldest form of worship. The association of a single tree with a sacred sthala or sthana is reflected in the chaitya vriksha and sthala vriksha or literature and society.

When people turned to food production, the Mother Goddess or the Earth Mother became the chief deity. Fertility, creation, and the world of plants and animals became her blessings to her devotees. The worship of the tree was the adoration of her creative abilities, symbolising fertility so essential or the survival of the early people. Spirits—good or bad—were believed to reside in trees. If the trees were worshipped, then the resident spirits were pleased. As sacred forests were replaced by agriculture, a single tree was left and was designated as 'sacred' tree.

The earliest temples were little more than images placed under trees. Later, the tree and the image were enclosed by a fence made of wood, followed even by stone. Numerous references are made in literature to trees as abodes of gods.

SubQuestion No : 20

Q.20 Identify the most suitable title for the given passage.

- Ans
- ☒ 1. Trees and Their Medicinal Properties
 - ☒ 2. Trees – An Integral Part of Food Production
 - ☒ 3. Trees and Their Importance in India
 - ☒ 4. Trees – The Oldest Form Of Worship

Question ID : 630680261575
Option 1 ID : 6306801015752
Option 2 ID : 6306801015751
Option 3 ID : 6306801015754
Option 4 ID : 6306801015753

Q.1 'दिनानुदिन' का समास विग्रह होगा-

- Ans ☒ 1. दिन के बाद दिन
- ☐ 2. दिन के बाद आने वाला दिन
- ☐ 3. दिन के ऊपर दिन
- ☐ 4. दिन से पहले दिन

Question ID : 630680261587
Option 1 ID : 6306801015799
Option 2 ID : 6306801015802
Option 3 ID : 6306801015800
Option 4 ID : 6306801015801

Q.2 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए--

- Ans ☐ 1. शत्रु के देश में जाकर बमबारी करता है जो वह एक दिलेर जवान है।
- ☐ 2. जो शत्रु के देश में जाकर बमबारी करता है एक दिलेर जवान है वह।
- ☒ 3. वह एक दिलेर जवान है जो शत्रु के देश में जाकर बमबारी करता है।
- ☐ 4. बमबारी करता है वह एक दिलेर जवान है जो शत्रु के देश में जाकर।

Question ID : 630680261581
Option 1 ID : 6306801015775
Option 2 ID : 6306801015776
Option 3 ID : 6306801015777
Option 4 ID : 6306801015778

Q.3 'स्वेच्छा' का संधि-विच्छेद है-

- Ans ☐ 1. स्वी + इच्छा
- ☐ 2. स्वे + अच्छा
- ☒ 3. स्व + इच्छा
- ☐ 4. सद् + इच्छा

Question ID : 630680261584
Option 1 ID : 6306801015789
Option 2 ID : 6306801015788
Option 3 ID : 6306801015787
Option 4 ID : 6306801015790

Q.4 निम्न में से शुद्ध लोकोक्ति का चयन कीजिए-

- Ans ☐ 1. चुहिया के सिर में चमेली का तेल
- ☐ 2. चुहिया के सिर में आँवले का तेल
- ☒ 3. छछूँदर के सिर में चमेली का तेल
- ☐ 4. छछूँदर के सिर में आँवले का तेल

Question ID : 630680261591
Option 1 ID : 6306801015817
Option 2 ID : 6306801015818
Option 3 ID : 6306801015815
Option 4 ID : 6306801015816

Q.5 'राम हृदय जाके नहीं, बिपति सुमंगल ताहि।
राम हृदय जाके, नहीं बिपति सुमंगल ताहि॥'
पंक्तियों में अलंकार है-

- Ans
- ☒ 1. श्रुत्यनुप्रास
 - ☒ 2. अंत्यानुप्रास
 - ☒ 3. लाटानुप्रास
 - ☒ 4. छेकानुप्रास

Question ID : 630680261588
Option 1 ID : 6306801015805
Option 2 ID : 6306801015804
Option 3 ID : 6306801015803
Option 4 ID : 6306801015806

Q.6 निम्न में से शुद्ध मुहावरे का चयन कीजिए-

- Ans
- ☒ 1. हाथों के कौए उड़ जाना
 - ☒ 2. हाथों के तोते उड़ जाना
 - ☒ 3. हाथों के कबूतर उड़ जाना
 - ☒ 4. हाथों के हंस उड़ जाना

Question ID : 630680261590
Option 1 ID : 6306801015812
Option 2 ID : 6306801015813
Option 3 ID : 6306801015811
Option 4 ID : 6306801015814

Q.7 निम्न में से 'देवेश' का पर्याय है-

- Ans
- ☒ 1. निशाचर
 - ☒ 2. अमरपति
 - ☒ 3. उमापति
 - ☒ 4. धनेश

Question ID : 630680261592
Option 1 ID : 6306801015820
Option 2 ID : 6306801015822
Option 3 ID : 6306801015819
Option 4 ID : 6306801015821

Q.8 'प्रत्येक' में समास है-

- Ans
- ☒ 1. द्विगु समास
 - ☒ 2. अव्ययीभाव समास
 - ☒ 3. बहुव्रीहि समास
 - ☒ 4. तत्पुरुष समास

Question ID : 630680261586
Option 1 ID : 6306801015795
Option 2 ID : 6306801015798
Option 3 ID : 6306801015796
Option 4 ID : 6306801015797

Q.9 मनुष्य को _____ करने से असफलता ही मिलती है।

दिए गए शब्दों में से उचित तत्सम शब्द से वाक्य पूर्ण करें-

- Ans
- ☒ 1. आलस
 - ☒ 2. आलस्य
 - ☒ 3. आस
 - ☒ 4. आलीस

Question ID : 630680261594
Option 1 ID : 6306801015827
Option 2 ID : 6306801015828
Option 3 ID : 6306801015830
Option 4 ID : 6306801015829

Q.10 'सौँवरे गोरे घटा छटा से बिहरैं, मिथिलेस की बाग थली में।' पंक्ति में उपस्थित अलंकार है-

- Ans
- ☒ 1. स्मरण
 - ☒ 2. भ्रांतिमान
 - ☒ 3. संदेह
 - ☒ 4. उपमा

Question ID : 630680261589
Option 1 ID : 6306801015810
Option 2 ID : 6306801015808
Option 3 ID : 6306801015807
Option 4 ID : 6306801015809

Q.11 'जगदाधार' का संधि-विच्छेद होगा-

- Ans
- ☒ 1. जग + आधार
 - ☒ 2. जगद् + आधार
 - ☒ 3. जगद् + धार
 - ☒ 4. जगत् + आधार

Question ID : 630680261585
Option 1 ID : 6306801015792
Option 2 ID : 6306801015791
Option 3 ID : 6306801015794
Option 4 ID : 6306801015793

Q.12 निम्न में से कौन-सा विलोम युग्म असुमेलित है-

- Ans
- ☒ 1. अंगीकरण – अनंगीकरण
 - ☒ 2. अंधकार – प्रकाश
 - ☒ 3. अक्षत – विक्षत
 - ☒ 4. अंतरंग – बहुरंग

Question ID : 630680261593
Option 1 ID : 6306801015823
Option 2 ID : 6306801015825
Option 3 ID : 6306801015826
Option 4 ID : 6306801015824

Q.13 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए--

- Ans
- ☒ 1. मेरी पढ़ाई में बाधा आ गई थी पढ़ोस में विवाह की धूमधाम के कारण।
 - ☒ 2. मेरी पढ़ाई में पढ़ोस में विवाह की धूमधाम के कारण आ गई थी बाधा।
 - ☒ 3. पढ़ोस में विवाह की धूमधाम के कारण मेरी पढ़ाई में बाधा आ गई थी।
 - ☒ 4. पढ़ोस में विवाह की धूमधाम के कारण बाधा आ गई थी मेरी पढ़ाई में।

Question ID : 630680261580
Option 1 ID : 6306801015772
Option 2 ID : 6306801015774
Option 3 ID : 6306801015771
Option 4 ID : 6306801015773

Q.14 वर्तमान समय या ठीक समय पर होने वाला।' दिए गए वाक्यांश के लिए एक शब्द होगा--

- Ans
- ☒ 1. सामाजिक
 - ☒ 2. सार्वभौमिक
 - ☒ 3. सामयिक
 - ☒ 4. सामूहिक

Question ID : 630680261582
Option 1 ID : 6306801015782
Option 2 ID : 6306801015781
Option 3 ID : 6306801015780
Option 4 ID : 6306801015779

Q.15 लोगों की जानकारी के लिए पत्रों आदि में प्रकाशित बात या सूचना।' दिए गए वाक्यांश के लिए एक शब्द होगा--

- Ans
- ☒ 1. विकल्प
 - ☒ 2. प्रस्ताव
 - ☒ 3. विक्रेता
 - ☒ 4. विज्ञापन

Question ID : 630680261583
Option 1 ID : 6306801015785
Option 2 ID : 6306801015784
Option 3 ID : 6306801015783
Option 4 ID : 6306801015786

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

नवंबर 1932 में तीसरे गोलमेज़ सम्मेलन का परिणाम 1932 के भारत सरकार के क़ानून के रूप में सामने आया। इस क़ानून में केंद्र में दो सदनों वाली एक संघीय विधायिका की व्यवस्था थी जिसमें रजवाड़ों को भिन्न-भिन्न प्रतिनिधित्व था। रजवाड़ों के प्रतिनिधि चुनाव से नहीं अपितु शासकों द्वारा मनोनीत होते थे। रक्षा तथा विदेश विभाग इसके अधिकार-क्षेत्र से बाहर थे। जबकि दूसरे विषयों पर गवर्नर-जनरल का विशेष नियंत्रण था। गवर्नर-जनरल और गवर्नरों की नियुक्ति ब्रिटिश सरकार करती और वे उसी के प्रति उत्तरदायी थे। प्रांतीय विधानसभाओं के प्रति उत्तरदायी मंत्रियों का प्रांतीय प्रशासन के हर विभाग पर नियंत्रण था। उन्हें क़ानूनी गतिविधियों पर विशेषाधिकार तथा अपने क़ानून बनाने के अधिकार थे। नागरिक-प्रशासन और पुलिस पर उनका पूरा नियंत्रण था। आर्थिक और राजनीतिक शक्ति अभी भी ब्रिटिश सरकार के हाथों में केंद्रित थी। कांग्रेस ने अधिकांश प्रांतों में भारी जीत हासिल की। ग्यारह में से नौ प्रांतों में जुलाई 1937 में कांग्रेसी मंत्रिमंडल बने। केवल पंजाब में यूनियनिस्ट पार्टी और बंगाल में कृषक प्रजा पार्टी और मुस्लिम लीग ने मिलकर सरकार बनाई। कांग्रेसी मंत्रियों ने अपना वेतन घटाकर 500 रुपये प्रतिमाह कर दिया। उनमें से अधिकांश रेलों में दूसरे या तीसरे दर्जे में चलते। उन्होंने नागरिक स्वतंत्रता को बढ़ावा दिया, प्रेस और अतिवादी संगठनों पर लगे प्रतिबंध हटाये, मज़दूर संघों और किसान सभाओं को उन्होंने काम करने और बढ़ने की छूट दी, पुलिस के अधिकार कम किये, और क्रांतिकारी राष्ट्रवादियों समेत दूसरे राजनीतिक कैदियों को बड़ी संख्या में रिहा कर दिया। खादी और दूसरे ग्रामीण उद्योगों को समर्थन के साथ आधुनिक उद्योगों को भी प्रोत्साहन मिला। साम्प्रदायिक दंगों से सख्ती से निपटा गया। सबसे बड़ा लाभ तो मानसिक था। लोगों को लगा कि वह विजय और स्वशासन की हवा में साँस ले रहे हैं। जो लोग अभी हाल तक जेलों में बंद थे, अब वह मंत्री के रूप में शासन कर रहे थे।

SubQuestion No : 16

Q.16 1932 के सरकारी क़ानून के संदर्भ में असत्य है--

- Ans

✖

1. इसमें केंद्र में दो सदनों वाली संघीय विधायिका की स्थापना का प्रस्ताव था।
- ✖

2. रक्षा तथा विदेश विभाग विधायिका के शक्तियों के अधीन नहीं था।
- ✔

3. इस विधायिका में सभी रजवाड़ों को समान प्रतिनिधित्व दिया गया।
- ✖

4. गवर्नर जनरल और गवर्नरों की नियुक्ति करने का अधिकार ब्रिटिश सरकार के पास ही था।

Question ID : 630680261600

Option 1 ID : 6306801015847

Option 2 ID : 6306801015849

Option 3 ID : 6306801015848

Option 4 ID : 6306801015850

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

नवंबर 1932 में तीसरे गोलमेज़ सम्मेलन का परिणाम 1932 के भारत सरकार के क़ानून के रूप में सामने आया। इस क़ानून में केंद्र में दो सदनों वाली एक संघीय विधायिका की व्यवस्था थी जिसमें रजवाड़ों को भिन्न-भिन्न प्रतिनिधित्व था। रजवाड़ों के प्रतिनिधि चुनाव से नहीं अपितु शासकों द्वारा मनोनीत होते थे। रक्षा तथा विदेश विभाग इसके अधिकार-क्षेत्र से बाहर थे। जबकि दूसरे विषयों पर गवर्नर-जनरल का विशेष नियंत्रण था। गवर्नर-जनरल और गवर्नरों की नियुक्ति ब्रिटिश सरकार करती और वे उसी के प्रति उत्तरदायी थे। प्रांतीय विधानसभाओं के प्रति उत्तरदायी मंत्रियों का प्रांतीय प्रशासन के हर विभाग पर नियंत्रण था। उन्हें क़ानूनी गतिविधियों पर विशेषाधिकार तथा अपने क़ानून बनाने के अधिकार थे। नागरिक-प्रशासन और पुलिस पर उनका पूरा नियंत्रण था। आर्थिक और राजनीतिक शक्ति अभी भी ब्रिटिश सरकार के हाथों में केंद्रित थी। कांग्रेस ने अधिकांश प्रांतों में भारी जीत हासिल की। ग्यारह में से नौ प्रांतों में जुलाई 1937 में कांग्रेसी मंत्रिमंडल बने। केवल पंजाब में यूनियनिस्ट पार्टी और बंगाल में कृषक प्रजा पार्टी और मुस्लिम लीग ने मिलकर सरकार बनाई। कांग्रेसी मंत्रियों ने अपना वेतन घटाकर 500 रुपये प्रतिमाह कर दिया। उनमें से अधिकांश रेलों में दूसरे या तीसरे दर्जे में चलते। उन्होंने नागरिक स्वतंत्रता को बढ़ावा दिया, प्रेस और अतिवादी संगठनों पर लगे प्रतिबंध हटाये, मज़दूर संघों और किसान सभाओं को उन्होंने काम करने और बढ़ने की छूट दी, पुलिस के अधिकार कम किये, और क्रांतिकारी राष्ट्रवादियों समेत दूसरे राजनीतिक कैदियों को बड़ी संख्या में रिहा कर दिया। खादी और दूसरे ग्रामीण उद्योगों को समर्थन के साथ आधुनिक उद्योगों को भी प्रोत्साहन मिला। साम्प्रदायिक दंगों से सख्ती से निपटा गया। सबसे बड़ा लाभ तो मानसिक था। लोगों को लगा कि वह विजय और स्वशासन की हवा में साँस ले रहे हैं। जो लोग अभी हाल तक जेलों में बंद थे, अब वह मंत्री के रूप में शासन कर रहे थे।

SubQuestion No : 17

Q.17 गद्यांश का सर्वोचित शीर्षक होगा-

- Ans
1. भारतीय स्वशासन

2. कांग्रेस मंत्रिमंडल

3. कांग्रेस और चुनाव

4. 1932 का भारत सरकार क़ानून

Question ID : 630680261598

Option 1 ID : 6306801015841

Option 2 ID : 6306801015839

Option 3 ID : 6306801015842

Option 4 ID : 6306801015840

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

नवंबर 1932 में तीसरे गोलमेज़ सम्मेलन का परिणाम 1932 के भारत सरकार के क़ानून के रूप में सामने आया। इस क़ानून में केंद्र में दो सदनों वाली एक संघीय विधायिका की व्यवस्था थी जिसमें रजवाड़ों को भिन्न-भिन्न प्रतिनिधित्व था। रजवाड़ों के प्रतिनिधि चुनाव से नहीं अपितु शासकों द्वारा मनोनीत होते थे। रक्षा तथा विदेश विभाग इसके अधिकार-क्षेत्र से बाहर थे। जबकि दूसरे विषयों पर गवर्नर-जनरल का विशेष नियंत्रण था। गवर्नर-जनरल और गवर्नरों की नियुक्ति ब्रिटिश सरकार करती और वे उसी के प्रति उत्तरदायी थे। प्रांतीय विधानसभाओं के प्रति उत्तरदायी मंत्रियों का प्रांतीय प्रशासन के हर विभाग पर नियंत्रण था। उन्हें क़ानूनी गतिविधियों पर विशेषाधिकार तथा अपने क़ानून बनाने के अधिकार थे। नागरिक-प्रशासन और पुलिस पर उनका पूरा नियंत्रण था। आर्थिक और राजनीतिक शक्ति अभी भी ब्रिटिश सरकार के हाथों में केंद्रित थी। कांग्रेस ने अधिकांश प्रांतों में भारी जीत हासिल की। ग्यारह में से नौ प्रांतों में जुलाई 1937 में कांग्रेसी मंत्रिमंडल बने। केवल पंजाब में यूनियनिस्ट पार्टी और बंगाल में कृषक प्रजा पार्टी और मुस्लिम लीग ने मिलकर सरकार बनाई। कांग्रेसी मंत्रियों ने अपना वेतन घटाकर 500 रुपये प्रतिमाह कर दिया। उनमें से अधिकांश रेलों में दूसरे या तीसरे दर्जे में चलते। उन्होंने नागरिक स्वतंत्रता को बढ़ावा दिया, प्रेस और अतिवादी संगठनों पर लगे प्रतिबंध हटाये, मज़दूर संघों और किसान सभाओं को उन्होंने काम करने और बढ़ने की छूट दी, पुलिस के अधिकार कम किये, और क्रांतिकारी राष्ट्रवादियों समेत दूसरे राजनीतिक कैदियों को बड़ी संख्या में रिहा कर दिया। खादी और दूसरे ग्रामीण उद्योगों को समर्थन के साथ आधुनिक उद्योगों को भी प्रोत्साहन मिला। साम्प्रदायिक दंगों से सख्ती से निपटा गया। सबसे बड़ा लाभ तो मानसिक था। लोगों को लगा कि वह विजय और स्वशासन की हवा में साँस ले रहे हैं। जो लोग अभी हाल तक जेलों में बंद थे, अब वह मंत्री के रूप में शासन कर रहे थे।

SubQuestion No : 18

Q.18 पंजाब में किस पार्टी ने सरकार का निर्माण किया?

- Ans ☒ 1. यूनियनिस्ट पार्टी
- ☐ 2. मुस्लिम लीग
- ☐ 3. कृषक प्रजा पार्टी
- ☐ 4. कांग्रेस पार्टी

Question ID : 630680261596
Option 1 ID : 6306801015832
Option 2 ID : 6306801015834
Option 3 ID : 6306801015831
Option 4 ID : 6306801015833

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

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SubQuestion No : 19

Q.19 कांग्रेस मंत्रिमण्डल द्वारा सरकार बनाने के पश्चात् निम्न में से क्या निर्णय नहीं लिया गया?

- Ans  1. राज्यों में प्रशासन एवं न्याय व्यवस्था का समुचित प्रबंध किया गया तथा राज्यों को अपराध मुक्त बनाने के लिए पुलिस के अधिकार बढ़ाये गए।
-  2. नागरिक स्वतंत्रता को बढ़ावा दिया, प्रेस को आज़ादी दी तथा मज़दूर एवं किसान संगठनों को भी काम करने की छूट मिली।
-  3. खादी और दूसरे ग्रामीण उद्योगों को समर्थन के साथ-साथ आधुनिक उद्योगों को भी प्रोत्साहन दिया गया।
-  4. कांग्रेसी मंत्रियों ने सदाचार और सादगी की जीवन प्रणाली को अपनाया, वेतन घटाया गया तथा अन्य सुविधाओं में भी कटौती की गई।

Question ID : 630680261599
Option 1 ID : 6306801015844
Option 2 ID : 6306801015843
Option 3 ID : 6306801015845
Option 4 ID : 6306801015846

Comprehension:

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नवंबर 1932 में तीसरे गोलमेज़ सम्मेलन का परिणाम 1932 के भारत सरकार के क़ानून के रूप में सामने आया। इस क़ानून में केंद्र में दो सदनों वाली एक संघीय विधायिका की व्यवस्था थी जिसमें रजवाड़ों को भिन्न-भिन्न प्रतिनिधित्व था। रजवाड़ों के प्रतिनिधि चुनाव से नहीं अपितु शासकों द्वारा मनोनीत होते थे। रक्षा तथा विदेश विभाग इसके अधिकार-क्षेत्र से बाहर थे। जबकि दूसरे विषयों पर गवर्नर-जनरल का विशेष नियंत्रण था। गवर्नर-जनरल और गवर्नरों की नियुक्ति ब्रिटिश सरकार करती और वे उसी के प्रति उत्तरदायी थे। प्रांतीय विधानसभाओं के प्रति उत्तरदायी मंत्रियों का प्रांतीय प्रशासन के हर विभाग पर नियंत्रण था। उन्हें क़ानूनी गतिविधियों पर विशेषाधिकार तथा अपने क़ानून बनाने के अधिकार थे। नागरिक-प्रशासन और पुलिस पर उनका पूरा नियंत्रण था। आर्थिक और राजनीतिक शक्ति अभी भी ब्रिटिश सरकार के हाथों में केंद्रित थी। कांग्रेस ने अधिकांश प्रांतों में भारी जीत हासिल की। ग्यारह में से नौ प्रांतों में जुलाई 1937 में कांग्रेसी मंत्रिमंडल बने। केवल पंजाब में यूनियनिस्ट पार्टी और बंगाल में कृषक प्रजा पार्टी और मुस्लिम लीग ने मिलकर सरकार बनाई। कांग्रेसी मंत्रियों ने अपना वेतन घटाकर 500 रुपये प्रतिमाह कर दिया। उनमें से अधिकांश रेलों में दूसरे या तीसरे दर्जे में चलते। उन्होंने नागरिक स्वतंत्रता को बढ़ावा दिया, प्रेस और अतिवादी संगठनों पर लगे प्रतिबंध हटाये, मज़दूर संघों और किसान सभाओं को उन्होंने काम करने और बढ़ने की छूट दी, पुलिस के अधिकार कम किये, और क्रांतिकारी राष्ट्रवादियों समेत दूसरे राजनीतिक कैदियों को बड़ी संख्या में रिहा कर दिया। खादी और दूसरे ग्रामीण उद्योगों को समर्थन के साथ आधुनिक उद्योगों को भी प्रोत्साहन मिला। साम्प्रदायिक दंगों से सख्ती से निपटा गया। सबसे बड़ा लाभ तो मानसिक था। लोगों को लगा कि वह विजय और स्वशासन की हवा में साँस ले रहे हैं। जो लोग अभी हाल तक जेलों में बंद थे, अब वह मंत्री के रूप में शासन कर रहे थे।

SubQuestion No : 20

Q.20 'अधिकार' का विलोम शब्द होगा-

- Ans
- ☒ 1. साधिकार
 - ☒ 2. अधिकृत
 - ☒ 3. अवधिकार
 - ☒ 4. अनधिकार

Question ID : 630680261597
Option 1 ID : 6306801015836
Option 2 ID : 6306801015837
Option 3 ID : 6306801015838
Option 4 ID : 6306801015835

Section : Discipline1

Q.1 _____ are those customs and traditions which guide accountants while preparing the financial statements.

- Ans
- ☒ 1. Accounting Schemes
 - ☒ 2. Accounting Conventions
 - ☒ 3. Accounting Policies
 - ☒ 4. Accounting Regularities

Question ID : 630680261643
Option 1 ID : 6306801016022
Option 2 ID : 6306801016019
Option 3 ID : 6306801016020
Option 4 ID : 6306801016021

Q.2 Which service is NOT provided by web servers?

- Ans
- ☐ 1. Serving web pages
 - ☒ 2. Resource sharing
 - ☐ 3. Server side scripting
 - ☐ 4. Running gateway programs

Question ID : 630680261680
Option 1 ID : 6306801016167
Option 2 ID : 6306801016169
Option 3 ID : 6306801016170
Option 4 ID : 6306801016168

Q.3 Which of the following is NOT a form of business organisation?

- Ans
- ☐ 1. Partnership
 - ☐ 2. Joint Hindu family business
 - ☐ 3. Sole proprietorship
 - ☒ 4. Contracts

Question ID : 630680261611
Option 1 ID : 6306801015893
Option 2 ID : 6306801015892
Option 3 ID : 6306801015891
Option 4 ID : 6306801015894

Q.4 Which of the following refers to a character-for-character or bit-for-bit transformation without regard to the linguistic structure of the message?

- Ans
- ☐ 1. Block
 - ☒ 2. Cipher
 - ☐ 3. Structure
 - ☐ 4. Unit

Question ID : 630680261639
Option 1 ID : 6306801016003
Option 2 ID : 6306801016004
Option 3 ID : 6306801016006
Option 4 ID : 6306801016005

Q.5 Which of the following industries is engaged in supplying commodities that are extracted or raised from the earth, sea and air?

- Ans**
- ☐ 1. Genetic
 - ☐ 2. Manufacturing
 - ☐ 3. Construction
 - ☒ 4. Extractive

Question ID : 630680261668
Option 1 ID : 6306801016121
Option 2 ID : 6306801016120
Option 3 ID : 6306801016119
Option 4 ID : 6306801016122

Q.6 What is the difference between a 32-bit operating system and a 64-bit operating system?

- Ans**
- ☐ 1.
A 64-bit operating system is faster than a 32-bit operating system.
 - ☐ 2.
A 64-bit operating system can only support up to 4 GB of RAM, while a 32-bit operating system can support more than 4 GB of RAM.
 - ☐ 3.
A 32-bit operating system is faster than a 64-bit operating system.
 - ☒ 4.
A 32-bit operating system can only support up to 4 GB of RAM, while a 64-bit operating system can support more than 4 GB of RAM.

Question ID : 630680261620
Option 1 ID : 6306801015930
Option 2 ID : 6306801015928
Option 3 ID : 6306801015929
Option 4 ID : 6306801015927

Q.7 Which of the following departmentalisations might be considered necessary in a business when the items are divided into various categories with vastly varied manufacturing processes for each category?

- Ans**
- ☐ 1. Production
 - ☒ 2. Process
 - ☐ 3. Matrix
 - ☐ 4. Customer

Question ID : 630680261609
Option 1 ID : 6306801015883
Option 2 ID : 6306801015884
Option 3 ID : 6306801015886
Option 4 ID : 6306801015885

Q.8 Relative frequency distribution presents frequencies in terms of _____.

- Ans**
- ✓ 1. fractions, percentages and whole numbers
 - ✗ 2. decimals
 - ✗ 3. percentages
 - ✗ 4. fractions

Question ID : 630680261672
Option 1 ID : 6306801016138
Option 2 ID : 6306801016137
Option 3 ID : 6306801016136
Option 4 ID : 6306801016135

Q.9 The _____ namespace defines classes and interfaces used in constructing and rendering elements on a web form.

- Ans**
- ✓ 1. System.Web.UI
 - ✗ 2. System.Security
 - ✗ 3. System.Activities
 - ✗ 4. System.Data

Question ID : 630680261653
Option 1 ID : 6306801016062
Option 2 ID : 6306801016060
Option 3 ID : 6306801016059
Option 4 ID : 6306801016061

Q.10 The time complexity of a quick sort algorithm which makes use of a median, found by an $O(n)$ algorithm, as pivot element is:

- Ans**
- ✗ 1. $O(n^3)$
 - ✓ 2. $O(n \log n)$
 - ✗ 3. $O(n^2)$
 - ✗ 4. $O(n)$

Question ID : 630680261665
Option 1 ID : 6306801016109
Option 2 ID : 6306801016110
Option 3 ID : 6306801016108
Option 4 ID : 6306801016107

Q.11 What is the purpose of a software prototype?

Ans ☒ 1.

To demonstrate the intended functionality of the software to stakeholders

☒ 2. All of the given options

☒ 3. To provide a working model of the software for user testing

☒ 4. To test the technical feasibility of the software

Question ID : 630680261622
Option 1 ID : 6306801015935
Option 2 ID : 6306801015938
Option 3 ID : 6306801015937
Option 4 ID : 6306801015936

Q.12 Which of the following shell symbols matches a class of characters in filenames in a Linux shell command?

Ans ☒ 1. ;

☒ 2. ?

☒ 3. []

☒ 4. *

Question ID : 630680261654
Option 1 ID : 6306801016064
Option 2 ID : 6306801016065
Option 3 ID : 6306801016066
Option 4 ID : 6306801016063

Q.13 What is the purpose of using a CSS framework in front-end development?

Ans ☒ 1.

To provide a set of pre-designed UI components and styles for faster and consistent development

☒ 2. To add style and layout to a web page using CSS

☒ 3. To simplify and extend the capabilities of CSS

☒ 4. To add interactivity to a web page using JavaScript

Question ID : 630680261641
Option 1 ID : 6306801016012
Option 2 ID : 6306801016013
Option 3 ID : 6306801016014
Option 4 ID : 6306801016011

Q.14 What is the main advantage of using linked lists over arrays in data structures?

Ans ☒ 1.

Linked lists have faster access time than arrays for large data sets.

☒ 2. Linked lists use less memory than arrays.

☒ 3. Linked lists can be resized more easily than arrays.

☒ 4.

Linked lists are more efficient for inserting and deleting elements at any position.

Question ID : 630680261612
Option 1 ID : 6306801015897
Option 2 ID : 6306801015896
Option 3 ID : 6306801015895
Option 4 ID : 6306801015898

Q.15 The three main parts of central processing unit (CPU processor) are:

Ans ☒ 1. cache, ALU and RAM

☒ 2. control unit, RAM and cache

☒ 3. ALU, control unit and registers

☒ 4. ALU, control unit and RAM.

Question ID : 630680261634
Option 1 ID : 6306801015984
Option 2 ID : 6306801015986
Option 3 ID : 6306801015983
Option 4 ID : 6306801015985

Q.16 A surplus occurs when the consumer's willingness to pay for a product is _____ than its market price.

Ans ☒ 1. None of the given options

☒ 2. less than

☒ 3. greater than

☒ 4. equal to

Question ID : 630680261648
Option 1 ID : 6306801016042
Option 2 ID : 6306801016039
Option 3 ID : 6306801016041
Option 4 ID : 6306801016040

Q.17 Which of the following refers to the economic development achieved essentially through the sustained use and creation of knowledge at the centre of the process?

- Ans**
- ☐ 1. Traditional economy
 - ☒ 2. Knowledge economy
 - ☐ 3. Knowledge business
 - ☐ 4. Institutional economy

Question ID : 630680261684
Option 1 ID : 6306801016185
Option 2 ID : 6306801016183
Option 3 ID : 6306801016184
Option 4 ID : 6306801016186

Q.18 What is Agile software development?

- Ans**
- ☐ 1.
A methodology for software development that emphasises creativity and innovation
 - ☒ 2.
A methodology for software development that emphasises flexibility and adaptability to change
 - ☐ 3.
A methodology for software development that emphasises strict planning and control
 - ☐ 4.
A methodology for software development that emphasises speed and efficiency

Question ID : 630680261623
Option 1 ID : 6306801015941
Option 2 ID : 6306801015939
Option 3 ID : 6306801015940
Option 4 ID : 6306801015942

Q.19 Which of the following is NOT a feature of object-oriented programming?

- Ans**
- ☒ 1. Global variables
 - ☐ 2. Function overloading
 - ☐ 3. Encapsulation
 - ☐ 4. Abstraction

Question ID : 630680261606
Option 1 ID : 6306801015874
Option 2 ID : 6306801015873
Option 3 ID : 6306801015871
Option 4 ID : 6306801015872

Q.20 What is the difference between a software and a firmware?

Ans ☒ 1.

Firmware is a collection of instructions that can be executed by a computer, while software is a type of firmware that is permanently stored on a piece of hardware.

☒ 2.

Firmware is a program that runs on a computer, while software is a program that runs on a mobile device.

☒ 3.

Software is a collection of instructions that can be executed by a computer, while firmware is a type of software that is permanently stored on a piece of hardware.

☒ 4.

Software is a program that runs on a computer, while firmware is a program that runs on a mobile device.

Question ID : 630680261616

Option 1 ID : 6306801015912

Option 2 ID : 6306801015914

Option 3 ID : 6306801015911

Option 4 ID : 6306801015913

Section : Discipline2

Q.1 What will be the output of the following java program?

```
class Example
{
    public static void main(String args[ ])
    {
        int a =50;
        double b=50.1;
        boolean x=(a=b);
        System.out.println(x);
    }
}
```

Ans ☒ 1. Compilation error

☒ 2. False

☒ 3. True

☒ 4. 50

Question ID : 630680261645

Option 1 ID : 6306801016030

Option 2 ID : 6306801016028

Option 3 ID : 6306801016027

Option 4 ID : 6306801016029

Q.2 Which of the following is NOT effective managerial communication at a workplace?

Ans ☒ 1. Be reluctant to be a leader at a workplace.

☐ 2. Promote the concept of morning meetings at a workplace.

☐ 3.

No communication is complete unless the message is understood clearly by the recipients.

☐ 4.

Working in a team leads to effective managerial communication.

Question ID : 630680261608
Option 1 ID : 6306801015882
Option 2 ID : 6306801015879
Option 3 ID : 6306801015881
Option 4 ID : 6306801015880

Q.3 4 MB is equal to how much KB?

Ans ☐ 1. 1024

☐ 2. 2048

☒ 3. 4096

☐ 4. 8192

Question ID : 630680261683
Option 1 ID : 6306801016179
Option 2 ID : 6306801016180
Option 3 ID : 6306801016181
Option 4 ID : 6306801016182

Q.4 Which object in ASP.NET provides a global storage mechanism for state data that needs to be accessible to all pages in a given web application?

Ans ☐ 1. Session

☐ 2. View state

☒ 3. Application

☐ 4. None of the given options

Question ID : 630680261682
Option 1 ID : 6306801016175
Option 2 ID : 6306801016177
Option 3 ID : 6306801016176
Option 4 ID : 6306801016178

Q.5 _____ is a specialised set of techniques for modelling change over time and is a data reduction technique.

- Ans
- ☒ 1. Loss analysis
 - ☒ 2. Growth curve analysis
 - ☒ 3. Loss analysis and Speed analysis both
 - ☒ 4. Speed analysis

Question ID : 630680261651
Option 1 ID : 6306801016053
Option 2 ID : 6306801016052
Option 3 ID : 6306801016054
Option 4 ID : 6306801016051

Q.6 Given $n+1$ data pairs, a unique polynomial of degree _____ passes through $n+1$ data points.

- Ans
- ☒ 1. n
 - ☒ 2. $n+1$ or less
 - ☒ 3. $n+1$
 - ☒ 4. n or less

Question ID : 630680261690
Option 1 ID : 6306801016209
Option 2 ID : 6306801016208
Option 3 ID : 6306801016207
Option 4 ID : 6306801016210

Q.7 The excess of Revenue Income over expense is called _____, and it could be calculated for each transaction or for business as a whole.

- Ans
- ☒ 1. transaction
 - ☒ 2. profit
 - ☒ 3. asset
 - ☒ 4. goods

Question ID : 630680261644
Option 1 ID : 6306801016024
Option 2 ID : 6306801016025
Option 3 ID : 6306801016026
Option 4 ID : 6306801016023

Q.8 In MIS design, the sources of information may be categorised as _____ and _____.

- Ans
- ☒ 1. personal, organisational
 - ☒ 2. internal, external
 - ☒ 3. useful, unuseful
 - ☒ 4. constructive, destructive

Question ID : 630680261667
Option 1 ID : 6306801016117
Option 2 ID : 6306801016118
Option 3 ID : 6306801016116
Option 4 ID : 6306801016115

Q.9 Which of the following methods is NOT used for data transfer between peripherals and memory?

- Ans
- ☒ 1. Programmed I/O
 - ☒ 2. Pipelining
 - ☒ 3. Interrupt Initiated I/O
 - ☒ 4. Direct Memory Access

Question ID : 630680261633
Option 1 ID : 6306801015979
Option 2 ID : 6306801015981
Option 3 ID : 6306801015980
Option 4 ID : 6306801015982

Q.10 _____ mainly deals with buying and selling, especially on a large scale.

- Ans
- ☒ 1. Shopping
 - ☒ 2. Commerce
 - ☒ 3. Marketing
 - ☒ 4. Retailing

Question ID : 630680261661
Option 1 ID : 6306801016094
Option 2 ID : 6306801016092
Option 3 ID : 6306801016093
Option 4 ID : 6306801016091

Q.11 _____ contains the local system configuration files for the host computer.

- Ans
- ☐ 1. /bin
 - ☒ 2. /etc
 - ☐ 3. /dev
 - ☐ 4. /boot

Question ID : 630680261656
Option 1 ID : 6306801016071
Option 2 ID : 6306801016074
Option 3 ID : 6306801016073
Option 4 ID : 6306801016072

Q.12 Interpolation is carried out using data from:

- Ans
- ☐ 1. linear interpolation
 - ☐ 2. curve fitting and regression analysis
 - ☒ 3. curve fitting and linear analysis
 - ☐ 4. regression analysis

Question ID : 630680261662
Option 1 ID : 6306801016098
Option 2 ID : 6306801016096
Option 3 ID : 6306801016097
Option 4 ID : 6306801016095

Q.13 What is the main difference between a stack and a queue data structure?

- Ans
- ☐ 1.
A queue is more efficient for inserting and deleting elements at any position, while a stack is more efficient for inserting and deleting elements at the front and back.
 - ☐ 2.
A stack is more efficient for inserting and deleting elements at any position, while a queue is more efficient for inserting and deleting elements at the front and back.
 - ☒ 3.
A stack follows a LIFO (last-in, first-out) order, while a queue follows a FIFO (first-in, first-out) order.
 - ☐ 4.
A queue follows a LIFO (last-in, first-out) order, while a stack follows a FIFO (first-in, first-out) order.

Question ID : 630680261613
Option 1 ID : 6306801015902
Option 2 ID : 6306801015901
Option 3 ID : 6306801015899
Option 4 ID : 6306801015900

Q.14 Which operators are known as ternary operator?

- Ans
- ✓ 1. ?,:;
 - ✗ 2. None of the given options
 - ✗ 3. ?, ::
 - ✗ 4. ::, ?.

Question ID : 630680261687
Option 1 ID : 6306801016196
Option 2 ID : 6306801016198
Option 3 ID : 6306801016197
Option 4 ID : 6306801016195

Q.15 What is the difference between a primary key and a foreign key in a database?

- Ans
- ✗ 1. A primary key is used to sort records in a table, while a foreign key is used to filter records in a table.
 - ✓ 2. A primary key is a unique identifier for each record in a table, while a foreign key is used to link records in one table to records in another table.
 - ✗ 3. There is no difference between a primary key and a foreign key.
 - ✗ 4. A primary key is used to link records in one table to records in another table, while a foreign key is a unique identifier for each record in a table.

Question ID : 630680261625
Option 1 ID : 6306801015950
Option 2 ID : 6306801015947
Option 3 ID : 6306801015949
Option 4 ID : 6306801015948

Q.16 For a holding company, all pre-acquisition profits/losses of the subsidiary company are _____, while all post-acquisition profits/losses of the subsidiary company are _____.

- Ans
- ✓ 1. capital profits/losses, revenue profit/losses
 - ✗ 2. revenue profits/losses, capital profits/losses
 - ✗ 3. revenue profits, revenue losses
 - ✗ 4. capital profits, capital losses

Question ID : 630680261610
Option 1 ID : 6306801015890
Option 2 ID : 6306801015887
Option 3 ID : 6306801015889
Option 4 ID : 6306801015888

Q.17 What is the main difference between a depth-first search (DFS) and a breadth-first search (BFS) algorithm?

Ans ☒ 1.

BFS is used for traversing a tree, while DFS is used for traversing a graph.

☒ 2.

DFS is used for traversing a tree, while BFS is used for traversing a graph.

☒ 3.

DFS explores as far as possible along each branch before backtracking, while BFS visits all the vertices at the current depth before moving on to the next level.

☒ 4.

BFS explores as far as possible along each branch before backtracking, while DFS visits all the vertices at the current depth before moving on to the next level.

Question ID : 630680261615
Option 1 ID : 6306801015910
Option 2 ID : 6306801015909
Option 3 ID : 6306801015907
Option 4 ID : 6306801015908

Q.18 Who invented the probability definition?

Ans ☒ 1. Euclid

☒ 2. Simon Laplace

☒ 3. Einstein

☒ 4. None of the given answer

Question ID : 630680261603
Option 1 ID : 6306801015861
Option 2 ID : 6306801015859
Option 3 ID : 6306801015860
Option 4 ID : 6306801015862

Q.19 A classification of integrated circuits with complexities of 30 to 300 equivalent gates on a single chip is known as:

Ans ☒ 1. LSI

☒ 2. SSI

☒ 3. MSI

☒ 4. VLSI

Question ID : 630680261630
Option 1 ID : 6306801015969
Option 2 ID : 6306801015968
Option 3 ID : 6306801015970
Option 4 ID : 6306801015967

Q.20 Which of the following are matrix types?

Types:

- i) Row matrix
- ii) Column matrix
- iii) Square matrix
- iv) Null matrix
- v) Diagonal matrix
- vi) Case matrix

- Ans
- ☒ 1. i and ii only
 - ☒ 2. i, ii and iii only
 - ☒ 3. i, ii, iii, iv and v only
 - ☒ 4. i, iii and vi only

Question ID : 630680261602
Option 1 ID : 6306801015858
Option 2 ID : 6306801015856
Option 3 ID : 6306801015855
Option 4 ID : 6306801015857

Section : Discipline3

Q.1 Which of the following is an example of a combinational circuit?

- Ans
- ☒ 1. Counter
 - ☒ 2. Shift Register
 - ☒ 3. Clock
 - ☒ 4. Encoder

Question ID : 630680261671
Option 1 ID : 6306801016133
Option 2 ID : 6306801016132
Option 3 ID : 6306801016134
Option 4 ID : 6306801016131

Q.2 The Principle of _____ examines the energy of a rigid body at two different states (positions), and the work done on the body to move between those two states.

Ans  **1. Work And Energy**

 **2. None of the given options**

 **3. Movement**

 **4. Static**

Question ID : **630680261670**
Option 1 ID : **6306801016129**
Option 2 ID : **6306801016130**
Option 3 ID : **6306801016128**
Option 4 ID : **6306801016127**

Q.3 What is the difference between a join and a subquery in a database?

Ans  **1.**

A join is used to retrieve data from a single table based on a condition, while a subquery is used to combine data from multiple tables based on a common column.

 **2.**

A join is used to sort data in a table, while a subquery is used to filter data in a table.

 **3.**

A join is used to combine data from multiple tables based on a common column, while a subquery is used to retrieve data from a single table based on a condition.

 **4. There is no difference between a join and a subquery.**

Question ID : **630680261627**
Option 1 ID : **6306801015956**
Option 2 ID : **6306801015958**
Option 3 ID : **6306801015955**
Option 4 ID : **6306801015957**

Q.4 What is the difference between symmetric and asymmetric encryption?

Ans  **1.**

Symmetric encryption uses the same key for encryption and decryption, while asymmetric encryption uses different keys for encryption and decryption.

 **2.**

Asymmetric encryption uses the same key for encryption and decryption, while symmetric encryption uses different keys for encryption and decryption.

 **3.**

Symmetric encryption uses a single key for encryption, while asymmetric encryption uses multiple keys for encryption.

 **4.**

Asymmetric encryption uses a single key for encryption, while symmetric encryption uses multiple keys for encryption.

Question ID : **630680261618**
Option 1 ID : **6306801015919**
Option 2 ID : **6306801015920**
Option 3 ID : **6306801015921**
Option 4 ID : **6306801015922**

Q.5 An algorithm that always runs in polynomial time but possibly returns erroneous answers is called a/an _____.

- Ans
- ☐ 1. approximation algorithm
 - ☒ 2. Monte Carlo algorithm
 - ☐ 3. Atlantic City algorithm
 - ☐ 4. Las Vegas algorithm

Question ID : 630680261664
Option 1 ID : 6306801016103
Option 2 ID : 6306801016106
Option 3 ID : 6306801016104
Option 4 ID : 6306801016105

Q.6 What are the three security goals?

- Ans
- ☐ 1. Confidentiality, encryption and decryption
 - ☒ 2. Confidentiality, integrity and availability
 - ☐ 3. Confidentiality, cryptography and nonrepudiation
 - ☐ 4. None of the given options

Question ID : 630680261636
Option 1 ID : 6306801015993
Option 2 ID : 6306801015992
Option 3 ID : 6306801015991
Option 4 ID : 6306801015994

Q.7 If C is the coefficient of mean square contingency and 'r' and 's' are the numbers of rows and columns, respectively, then the maximum value of C is:

- Ans
- ☐ 1. $\sqrt{\frac{(r-1)}{s}}$
 - ☐ 2. $\sqrt{\frac{(s-1)}{s}}$
 - ☐ 3. $\sqrt{\frac{r}{(r-1)}}$
 - ☒ 4. $\sqrt{\frac{(r-1)}{r}}$

Question ID : 630680261605
Option 1 ID : 6306801015867
Option 2 ID : 6306801015868
Option 3 ID : 6306801015869
Option 4 ID : 6306801015870

Q.8 Which of the following fields in the IPV4 header ensures that datagrams do NOT circulate forever (due to, for example, a long-lived routing loop) in the network?

- Ans**
- ☐ 1. Service time
 - ☒ 2. Time-to-live
 - ☐ 3. Type of service
 - ☐ 4. Header checksum

Question ID : 630680261631
Option 1 ID : 6306801015974
Option 2 ID : 6306801015972
Option 3 ID : 6306801015971
Option 4 ID : 6306801015973

Q.9 The architecture of _____ file system is based on Andrew File System.

- Ans**
- ☒ 1. CODA
 - ☐ 2. None of the given options
 - ☐ 3. Ficus
 - ☐ 4. ROVER

Question ID : 630680261676
Option 1 ID : 6306801016151
Option 2 ID : 6306801016154
Option 3 ID : 6306801016153
Option 4 ID : 6306801016152

Q.10 In which of the following does the JDBC type represent a 'single precision' floating point number that supports seven digits of mantissa?

- Ans**
- ☐ 1. DOUBLE
 - ☒ 2. REAL
 - ☐ 3. FLOAT
 - ☐ 4. INTEGER

Question ID : 630680261646
Option 1 ID : 6306801016032
Option 2 ID : 6306801016031
Option 3 ID : 6306801016033
Option 4 ID : 6306801016034

Q.11 In RSA algorithm, if $p = 7$, $q = 11$ and $d = 37$, then what will be the value of e ?

- Ans
- ☒ 1. 15
 - ☒ 2. 17
 - ☒ 3. 13
 - ☒ 4. 11

Question ID : 630680261637
Option 1 ID : 6306801015997
Option 2 ID : 6306801015998
Option 3 ID : 6306801015996
Option 4 ID : 6306801015995

Q.12 What would be the 2's complement representation of the -15 decimal value?

- Ans
- ☒ 1. 1001
 - ☒ 2. 1111111
 - ☒ 3. 1111
 - ☒ 4. 10001

Question ID : 630680261635
Option 1 ID : 6306801015989
Option 2 ID : 6306801015988
Option 3 ID : 6306801015990
Option 4 ID : 6306801015987

Q.13 Interpolation is a method of:

- Ans
- ☒ 1. Interrelating
 - ☒ 2. Estimating
 - ☒ 3. Integrating
 - ☒ 4. combining

Question ID : 630680261689
Option 1 ID : 6306801016203
Option 2 ID : 6306801016204
Option 3 ID : 6306801016205
Option 4 ID : 6306801016206

Q.14 What is the difference between a B-tree and a Hash index in a database?

Ans ☒ 1.

A B-tree index is used to sort data in a table, while a Hash index is used to filter data in a table.

☒ 2.

A B-tree index is used for exact match queries and sorts data using a hash function, while a Hash index is used for range queries and sorts data in a hierarchical structure.

☒ 3.

A B-tree index is used for range queries and sorts data in a hierarchical structure, while a Hash index is used for exact match queries and sorts data using a hash function.

☒ 4. There is no difference between a B-tree and a Hash index.

Question ID : 630680261628
Option 1 ID : 6306801015962
Option 2 ID : 6306801015960
Option 3 ID : 6306801015959
Option 4 ID : 6306801015961

Q.15 The _____ displays assets, liabilities and owner's equity.

Ans ☒ 1. None of the given options

☒ 2. Income statement

☒ 3. Cash flow statement

☒ 4. Balance sheet

Question ID : 630680261673
Option 1 ID : 6306801016142
Option 2 ID : 6306801016139
Option 3 ID : 6306801016140
Option 4 ID : 6306801016141

Q.16 end, abort, create, etc. are examples of _____ system call.

Ans ☒ 1. information maintenance

☒ 2. device management

☒ 3. communication

☒ 4. process control

Question ID : 630680261655
Option 1 ID : 6306801016068
Option 2 ID : 6306801016069
Option 3 ID : 6306801016070
Option 4 ID : 6306801016067

Q.17

Which of the given options best describes the truthfulness of the following statements?

i) In the scope of business economics, demand analysis and forecasting is the process of finding values for demand in the future period.

ii) In the scope of business economics, inventory management mentions the stock of raw materials that a firm keeps. If the level of inventory is high, then it will show blockage of funds.

iii) In the scope of business economics, price is the origin of a company's profit. So, its success depends on how the pricing decisions are made.

Ans

✓ 1.

i-True, ii-True, iii-True

✗ 2.

i-True, ii-False, iii-True

✗ 3.

i-False, ii-False, iii-True

✗ 4.

i-False, ii-True, iii-True

Question ID : 630680261649

Option 1 ID : 6306801016043

Option 2 ID : 6306801016045

Option 3 ID : 6306801016046

Option 4 ID : 6306801016044

Q.18

_____ data structures represent a collection of values that are indexed by a key.

Ans

✗ 1.

URI

✗ 2.

Array

✓ 3.

Dictionary<TKey,TValue>

✗ 4.

List<T>

Question ID : 630680261652

Option 1 ID : 6306801016058

Option 2 ID : 6306801016055

Option 3 ID : 6306801016057

Option 4 ID : 6306801016056

Q.19

What is virtual memory in an operating system?

Ans

✗ 1.

A type of memory that provides a secure storage area for data that is larger than the physical memory of a computer

✗ 2.

A type of memory that provides a storage area for data that is the same size as the physical memory of a computer

✓ 3.

A type of memory that provides a temporarily storage area for data that is larger than the physical memory of a computer

✗ 4.

A type of memory that provides a permanent storage area for data that is larger than the physical memory of a computer

Question ID : 630680261647

Option 1 ID : 6306801016037

Option 2 ID : 6306801016038

Option 3 ID : 6306801016035

Option 4 ID : 6306801016036

Q.20 What will be the probability that the selected number is a multiple of 3 and 4, if a number is selected at random from the first 50 natural numbers?

Ans ☒ 1. None of the given options

☒ 2. $\frac{2}{25}$

☒ 3. $\frac{4}{25}$

☒ 4. $\frac{7}{50}$

Question ID : 630680261604
Option 1 ID : 6306801015866
Option 2 ID : 6306801015864
Option 3 ID : 6306801015865
Option 4 ID : 6306801015863

Section : Discipline4

Q.1 What is the main purpose of inheritance in object-oriented programming?

- Ans ☒ 1. Overriding methods
- ☒ 2. All of the given options
- ☒ 3. Data hiding
- ☒ 4. Code reusability

Question ID : 630680261607
Option 1 ID : 6306801015876
Option 2 ID : 6306801015878
Option 3 ID : 6306801015877
Option 4 ID : 6306801015875

Q.2 Which of the following is a column in a table that points to the primary key of another table?

- Ans ☒ 1. Candidate key
- ☒ 2. Foreign key
- ☒ 3. Super key
- ☒ 4. Primary key

Question ID : 630680261629
Option 1 ID : 6306801015966
Option 2 ID : 6306801015964
Option 3 ID : 6306801015965
Option 4 ID : 6306801015963

Q.3 Which of the following is an output device?

- Ans
- ☐ 1. Scanner
 - ☐ 2. Game controller
 - ☐ 3. Digitiser
 - ☒ 4. Plotter

Question ID : 630680261685
Option 1 ID : 6306801016187
Option 2 ID : 6306801016190
Option 3 ID : 6306801016188
Option 4 ID : 6306801016189

Q.4 Which one of the following is NOT a prerequisite for a good MIS?

- Ans
- ☐ 1. Database
 - ☐ 2. Control and maintenance of MIS
 - ☐ 3. MIS executives
 - ☒ 4. Support from staff

Question ID : 630680261666
Option 1 ID : 6306801016114
Option 2 ID : 6306801016112
Option 3 ID : 6306801016111
Option 4 ID : 6306801016113

Q.5 What is the purpose of a relational database management system (RDBMS)?

- Ans
- ☒ 1.
To store and manage data in a structured format using tables, columns and rows
 - ☐ 2.
To store and manage data in a network format using graphs and edges
 - ☐ 3.
To store and manage data in a hierarchical format using trees and nodes
 - ☐ 4.
To store and manage data in an unstructured format using tags and categories

Question ID : 630680261626
Option 1 ID : 6306801015951
Option 2 ID : 6306801015954
Option 3 ID : 6306801015953
Option 4 ID : 6306801015952

Q.6 While working on a JavaScript project, in your JavaScript application, which function would you use to send messages to users requesting for text input?

- Ans**
- ☐ 1. Display()
 - ☐ 2. Alert()
 - ☒ 3. Prompt()
 - ☐ 4. Get input()

Question ID : 630680261681
Option 1 ID : 6306801016171
Option 2 ID : 6306801016173
Option 3 ID : 6306801016172
Option 4 ID : 6306801016174

Q.7 Which of the following is NOT a feature of ADO.net?

- Ans**
- ☐ 1. Interoperability
 - ☒ 2. Reachability
 - ☐ 3. Scalability
 - ☐ 4. Maintainability

Question ID : 630680261669
Option 1 ID : 6306801016123
Option 2 ID : 6306801016126
Option 3 ID : 6306801016125
Option 4 ID : 6306801016124

Q.8 If

- i. Net profit after taxes and preference share dividend is ₹ 10,00,000.
- ii. No. of equity shares is 20,000.

Then earnings per share is:

- Ans**
- ☒ 1. ₹ 50
 - ☐ 2. ₹ 500
 - ☐ 3. ₹ 5
 - ☐ 4. ₹ 25

Question ID : 630680261675
Option 1 ID : 6306801016147
Option 2 ID : 6306801016149
Option 3 ID : 6306801016148
Option 4 ID : 6306801016150

Q.9 What is the relation between Δ and E where E is the shift operator and Δ is the forward difference operator?

- Ans
- ☒ 1. $\Delta = E + 1$
 - ☒ 2. $\Delta = E + 1$
 - ☒ 3. $E = 1 - \Delta$
 - ☒ 4. $E = 1 + \Delta$

Question ID : 630680261677
Option 1 ID : 6306801016155
Option 2 ID : 6306801016156
Option 3 ID : 6306801016158
Option 4 ID : 6306801016157

Q.10 Which of the following is NOT an advantage of e-commerce?

- Ans
- ☒ 1. E-commerce has several payment modes.
 - ☒ 2. E-commerce is making a digitalised world.
 - ☒ 3.
E-commerce has no universal standard for quality and reliability.
 - ☒ 4.
E-commerce via internet covers a large number of customers worldwide.

Question ID : 630680261659
Option 1 ID : 6306801016084
Option 2 ID : 6306801016086
Option 3 ID : 6306801016085
Option 4 ID : 6306801016083

Q.11 Which of the following is easier to be transformed into a computer program?

- Ans
- ☒ 1. None of the given options
 - ☒ 2. Pseudo code
 - ☒ 3. Algorithm
 - ☒ 4. Flow chart

Question ID : 630680261688
Option 1 ID : 6306801016202
Option 2 ID : 6306801016201
Option 3 ID : 6306801016199
Option 4 ID : 6306801016200

Q.12 What is the purpose of using a CSS pre-processor in front-end development?

- Ans ☒ 1. To simplify and extend the capabilities of CSS
- ☐ 2. To add interactivity to a web page using JavaScript
- ☐ 3. To add style and layout to a web page using CSS
- ☐ 4. To improve the performance of a web page using optimised code

Question ID : 630680261640
Option 1 ID : 6306801016010
Option 2 ID : 6306801016007
Option 3 ID : 6306801016009
Option 4 ID : 6306801016008

Q.13 A/An _____ is a process that has completed its task but still, it shows an entry in a process table.

- Ans ☒ 1. zombie
- ☐ 2. daemon
- ☐ 3. orphan
- ☐ 4. daemon and orphan both

Question ID : 630680261658
Option 1 ID : 6306801016079
Option 2 ID : 6306801016080
Option 3 ID : 6306801016081
Option 4 ID : 6306801016082

Q.14 _____ is/are a function of e-Commerce.

- Ans ☐ 1. Marketing
- ☒ 2. Finance, supply chain and marketing
- ☐ 3. Finance
- ☐ 4. Supply chain

Question ID : 630680261660
Option 1 ID : 6306801016089
Option 2 ID : 6306801016090
Option 3 ID : 6306801016087
Option 4 ID : 6306801016088

Q.15 The primary function of ICMP is _____.

- Ans
- ✓ 1. error and diagnostic functions
 - ✗ 2. forwarding
 - ✗ 3. routing
 - ✗ 4. addressing

Question ID : 630680261632
Option 1 ID : 6306801015975
Option 2 ID : 6306801015977
Option 3 ID : 6306801015978
Option 4 ID : 6306801015976

Q.16 What is the most common method of intrusion detection?

- Ans
- ✗ 1. Heuristic-based detection
 - ✗ 2. Anomaly-based detection
 - ✓ 3. Signature-based detection
 - ✗ 4. Stateful inspection

Question ID : 630680261619
Option 1 ID : 6306801015926
Option 2 ID : 6306801015924
Option 3 ID : 6306801015923
Option 4 ID : 6306801015925

Q.17 What is the difference between a CSS grid and a CSS flexbox in front-end development?

- Ans
- ✗ 1.
A CSS grid is used for desktop websites, while a CSS flexbox is used for mobile websites.
 - ✗ 2.
There is no difference between a CSS grid and a CSS flexbox.
 - ✗ 3.
A CSS grid is a one-dimensional layout system for arranging elements in a single line, while a CSS flexbox is a two-dimensional layout system for arranging elements in rows and columns.
 - ✓ 4.
A CSS grid is a two-dimensional layout system for arranging elements in rows and columns, while a CSS flexbox is a one-dimensional layout system for arranging elements in a single line.

Question ID : 630680261642
Option 1 ID : 6306801016018
Option 2 ID : 6306801016017
Option 3 ID : 6306801016016
Option 4 ID : 6306801016015

Q.18 Fork() returns a negative value when _____.

- Ans
- ☒ 1. creation of a child process was unsuccessful
 - ☐ 2. returned to parent or caller
 - ☐ 3. returned to the newly created child process
 - ☐ 4. creation of a child process was successful

Question ID : 630680261657
Option 1 ID : 6306801016077
Option 2 ID : 6306801016076
Option 3 ID : 6306801016075
Option 4 ID : 6306801016078

Q.19 What is C tokens?

- Ans
- ☐ 1. The largest individual units of program
 - ☐ 2. The basic element recognised by the compiler
 - ☐ 3. The smallest individual units Of C program
 - ☒ 4.

The smallest individual units of C program and the basic element recognised by the compiler both

Question ID : 630680261686
Option 1 ID : 6306801016193
Option 2 ID : 6306801016192
Option 3 ID : 6306801016191
Option 4 ID : 6306801016194

Q.20 What is the main difference between a dynamic array and a static array in C programming?

- Ans
- ☐ 1.
Static arrays are stored in the stack, while dynamic arrays are stored in the heap.
 - ☒ 2.
Dynamic arrays can be resized during runtime, while static arrays have a fixed size.
 - ☐ 3.
Static arrays can be resized during runtime, while dynamic arrays have a fixed size.
 - ☐ 4.
Dynamic arrays are stored in the stack, while static arrays are stored in the heap.

Question ID : 630680261614
Option 1 ID : 6306801015906
Option 2 ID : 6306801015903
Option 3 ID : 6306801015904
Option 4 ID : 6306801015905

Q.1 What is the purpose of a software design pattern in software engineering?

- Ans
- ☐ 1. To increase the complexity of the software design
 - ☐ 2. To make the software design more rigid and resistant to change
 - ☒ 3. To provide a standard solution to a common problem in software design
 - ☐ 4. To make the software design more flexible and adaptable to change

Question ID : 630680261624
Option 1 ID : 6306801015944
Option 2 ID : 6306801015946
Option 3 ID : 6306801015943
Option 4 ID : 6306801015945

Q.2 On which two different modes does IPSec operate?

- Ans
- ☒ 1. Transport; tunnel
 - ☐ 2. Transport; network
 - ☐ 3. Tunnel; surface
 - ☐ 4. None of the given options

Question ID : 630680261638
Option 1 ID : 6306801016000
Option 2 ID : 6306801015999
Option 3 ID : 6306801016001
Option 4 ID : 6306801016002

Q.3 What is a virtual memory?

- Ans
- ☐ 1. A type of memory that uses a solid-state disk to store data
 - ☐ 2. A type of memory that uses a hard disk to store data
 - ☐ 3. A type of memory that uses a disk drive to store data
 - ☒ 4. A type of memory that uses a hard disk to store data and RAM to speed up access to data

Question ID : 630680261617
Option 1 ID : 6306801015916
Option 2 ID : 6306801015915
Option 3 ID : 6306801015917
Option 4 ID : 6306801015918

Q.4 _____ is the additional revenue that a company generates from selling new products or services or from expanding into new markets.

- Ans
- ☐ 1. Marginal cost
 - ☒ 2. Incremental revenue
 - ☐ 3. Total revenue
 - ☐ 4. Marginal revenue

Question ID : 630680261650
Option 1 ID : 6306801016050
Option 2 ID : 6306801016049
Option 3 ID : 6306801016048
Option 4 ID : 6306801016047

Q.5 Which are the two basic cellular systems?

- Ans
- ☐ 1. None of the given options
 - ☒ 2. Circuit-switched system and packet-switched system
 - ☐ 3. Counter switched system and packet-switched system
 - ☐ 4. Wired and wireless

Question ID : 630680261674
Option 1 ID : 6306801016146
Option 2 ID : 6306801016145
Option 3 ID : 6306801016144
Option 4 ID : 6306801016143

Q.6 What is the purpose of a software patch?

- Ans
- ☐ 1. To update the user interface of a software program
 - ☒ 2. To fix bugs or security vulnerabilities in a software program
 - ☐ 3. To add new features to a software program
 - ☐ 4. To improve the performance of a software program

Question ID : 630680261621
Option 1 ID : 6306801015933
Option 2 ID : 6306801015932
Option 3 ID : 6306801015931
Option 4 ID : 6306801015934

Q.7 The correctness and appropriateness of _____ solution can be checked very easily.

- Ans
- ✓ 1. algorithmic
 - ✗ 2. brute force
 - ✗ 3. random
 - ✗ 4. heuristic

Question ID : 630680261663
Option 1 ID : 6306801016100
Option 2 ID : 6306801016101
Option 3 ID : 6306801016102
Option 4 ID : 6306801016099

Q.8 The Bezier curve is a/an _____ curve that is defined by a minimum of three points consisting of an origin, endpoint and at least one control point.

- Ans
- ✓ 1. parametric
 - ✗ 2. explicit
 - ✗ 3. implicit
 - ✗ 4. None of the given options

Question ID : 630680261678
Option 1 ID : 6306801016159
Option 2 ID : 6306801016161
Option 3 ID : 6306801016160
Option 4 ID : 6306801016162

Q.9 The mean of 10, 11, 7, 6, 8, 11, 12, 13, 12 is:

- Ans
- ✗ 1. 12
 - ✓ 2. 10
 - ✗ 3. 14
 - ✗ 4. 11

Question ID : 630680261601
Option 1 ID : 6306801015852
Option 2 ID : 6306801015854
Option 3 ID : 6306801015853
Option 4 ID : 6306801015851

Q.10 The widescreen aspect ratio _____ is the most common option for computer monitors and TVs today.

- Ans
- ☒ 1. 9 : 16
 - ☒ 2. 8 : 17
 - ☒ 3. 16 : 9
 - ☒ 4. 17 : 8

Question ID : 630680261679
Option 1 ID : 6306801016164
Option 2 ID : 6306801016166
Option 3 ID : 6306801016163
Option 4 ID : 6306801016165

Section : Teaching Methodology

Q.1 Which of the following statement is correct?
I. Truth is far more important than the teacher.
II. The search for truth is religion.

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

Question ID : 630680261700
Option 1 ID : 6306801016247
Option 2 ID : 6306801016250
Option 3 ID : 6306801016248
Option 4 ID : 6306801016249

Q.2 According to Piaget, at what age children enter the stage of concrete operation?

- Ans
- ☒ 1. 10 years
 - ☒ 2. 7 years
 - ☒ 3. 5 years
 - ☒ 4. 12 years

Question ID : 630680261692
Option 1 ID : 6306801016215
Option 2 ID : 6306801016217
Option 3 ID : 6306801016218
Option 4 ID : 6306801016216

Q.3 According to Bronfenbrenner's ecological model, _____ does NOT comes under the macrosystem.

- Ans
- ☒ 1. Family networks
 - ☐ 2. Traditions
 - ☐ 3. Political system
 - ☐ 4. Ideologies

Question ID : 630680261698
Option 1 ID : 6306801016239
Option 2 ID : 6306801016240
Option 3 ID : 6306801016241
Option 4 ID : 6306801016242

Q.4 The seating arrangement of a class can be _____.
I. U shaped
II. Circle shaped

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

Question ID : 630680261695
Option 1 ID : 6306801016227
Option 2 ID : 6306801016228
Option 3 ID : 6306801016230
Option 4 ID : 6306801016229

Q.5 Pattern of behavior in middle childhood consisting of negativity, hostility and defiance is called_____.

- Ans
- ☐ 1. Separation anxiety disorder
 - ☒ 2. Oppositional defiant disorder
 - ☐ 3. Obsessives compulsive disorder
 - ☐ 4. Conduct disorder

Question ID : 630680261693
Option 1 ID : 6306801016221
Option 2 ID : 6306801016219
Option 3 ID : 6306801016222
Option 4 ID : 6306801016220

Q.6 After 7 years, in the game with rules the skills and ability displayed during play, act as important criterion for child's acceptance in_____.

- Ans
- ☐ 1. Religious group
 - ☐ 2. Family
 - ☐ 3. Relative group
 - ☒ 4. Peer group

Question ID : 630680261691
Option 1 ID : 6306801016213
Option 2 ID : 6306801016211
Option 3 ID : 6306801016212
Option 4 ID : 6306801016214

Q.7 Tolpavakoothu, a puppetry form is performed in which of the following state?

- Ans ☒ 1. Haryana
- ☒ 2. Kerala
- ☒ 3. Odisha
- ☒ 4. Jharkhand

Question ID : 630680261697
Option 1 ID : 6306801016238
Option 2 ID : 6306801016237
Option 3 ID : 6306801016236
Option 4 ID : 6306801016235

Q.8 Which of the following characteristics of summative assessment is NOT correct?

- Ans ☒ 1. It can be flexible as per the needs of the students.
- ☒ 2. It is administered at the terminal stage of a course.
- ☒ 3. Grades, are the basis for evaluating student's overall academic performance in this.
- ☒ 4. It is used to determine a student's overall performance in a certain prescribed course.

Question ID : 630680261696
Option 1 ID : 6306801016234
Option 2 ID : 6306801016232
Option 3 ID : 6306801016233
Option 4 ID : 6306801016231

Q.9 Which of the following factors are essential for the success of work education?

- I. Positive aptitude.
II. Creative aptitude.
III. Imaginative aptitude.

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

Question ID : 630680261699
Option 1 ID : 6306801016244
Option 2 ID : 6306801016243
Option 3 ID : 6306801016246
Option 4 ID : 6306801016245

Q.10 "Elementary education" means the education from _____.

- Ans ☒ 1. second class to ninth class
- ☒ 2. third class to seventh class
- ☒ 3. first class to sixth class
- ☒ 4. first class to eighth class

Question ID : 630680261694
Option 1 ID : 6306801016225
Option 2 ID : 6306801016223
Option 3 ID : 6306801016226
Option 4 ID : 6306801016224