

DSSSB TGT

**Previous Year Paper
(Computer Science)
24 June, 2023 Shift 3**

Adda247

Test Prime

ALL EXAMS, ONE SUBSCRIPTION



1,00,000+
Mock Tests



**Personalised
Report Card**



**Unlimited
Re-Attempt**



600+
Exam Covered



25,000+ Previous
Year Papers



500%
Refund



ATTEMPT FREE MOCK NOW



GOVT. OF NCT OF DELHI
Delhi Subordinate Services Selection Board
FC-18, Institutional Area, Karkardooma, Delhi – 110092.
www.dsssb.delhigovt.nic.in

Participant ID	
Participant Name	
Test Center Name	
Test Date	24/06/2023
Test Time	4:30 PM - 6:30 PM
Subject	TGT Computer Science

Section : General intelligence and Reasoning Ability

Q.1 Which two signs should be interchanged to make the following equation correct?

$234 \div 18 + 47 - 14 \times 18 = 653$

- Ans
- ✗ 1. + and –
 - ✗ 2. ÷ and ×
 - ✓ 3. × and –
 - ✗ 4. ÷ and +

Question ID : 630680256042
Option 1 ID : 630680994112
Option 2 ID : 630680994111
Option 3 ID : 630680994113
Option 4 ID : 630680994114

Q.2 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

XGC, UHD, RIF, OJI, ?

- Ans
- ✗ 1. LKL
 - ✗ 2. LKN
 - ✓ 3. LKM
 - ✗ 4. LLM

Question ID : 630680256025
Option 1 ID : 630680994046
Option 2 ID : 630680994044
Option 3 ID : 630680994045
Option 4 ID : 630680994043

Q.3 Which of the following letters is the 7th to the left of the 11th letter from the right end of the series?
(Left) A D F G W R W S F G B C S X A D G H J K L Y O R E D H K H (Right)

- Ans  1. B
 2. C
 3. G
 4. S

Question ID : 630680256026
Option 1 ID : 630680994048
Option 2 ID : 630680994049
Option 3 ID : 630680994047
Option 4 ID : 630680994050

Q.4 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.
 $19 * 23 * 221 * 17 * 89 * 361$

- Ans  1. $\div, +, \times, -, =$
 2. $+, \div, \times, -, =$
 3. $\times, +, \div, -, =$
 4. $-, \div, +, \times, =$

Question ID : 630680256040
Option 1 ID : 630680994103
Option 2 ID : 630680994105
Option 3 ID : 630680994106
Option 4 ID : 630680994104

Q.5 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the following equation.

$45 * 45 * 45 * 45 * 45 * 1979$

- Ans  1. $+, \div, =, \times, -$
 2. $-, \div, =, +, \times$
 3. $\div, +, \times, -, =$
 4. $\times, +, \div, -, =$

Question ID : 630680256037
Option 1 ID : 630680994093
Option 2 ID : 630680994092
Option 3 ID : 630680994091
Option 4 ID : 630680994094

Q.6 In the evening, before sunset, X is facing towards the right hand side of the direction where his shadow is falling. He then turns right and walk 20 m. Then, he turns right again and walks 10 m. Then, he turns left and walks 10 m, and then turning right, he walks 20 m. Then, he turns right again and walks 30 m. At what distance and in which direction is X now from the starting point?

- Ans**
- ✓ 1. 30 m, north
 - ✗ 2. 20 m, north
 - ✗ 3. 30 m, south
 - ✗ 4. 20 m, south

Question ID : 630680256028
Option 1 ID : 630680994055
Option 2 ID : 630680994057
Option 3 ID : 630680994058
Option 4 ID : 630680994056

Q.7 Study the given information, statement and conclusions carefully, and decide which of the given conclusions logically follow(s) from the statement.

P # Q means P is greater than Q.
P \$ Q means P is either greater than or equal to Q.
P = Q means P is smaller than Q.

Statement:
C \$ E, F # C, D = E.

- Conclusions:**
- I. C # D
 - II. E # D

- Ans**
- ✗ 1. Only conclusion II follows
 - ✓ 2. Both conclusions I and II follow
 - ✗ 3. Only conclusion I follows
 - ✗ 4. Either conclusion I or II follows

Question ID : 630680256031
Option 1 ID : 630680994068
Option 2 ID : 630680994070
Option 3 ID : 630680994067
Option 4 ID : 630680994069

Q.8 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. 16 - 72
 - ✗ 2. 24 - 108
 - ✗ 3. 18 - 81
 - ✓ 4. 22 - 97

Question ID : 630680256039
Option 1 ID : 630680994099
Option 2 ID : 630680994102
Option 3 ID : 630680994100
Option 4 ID : 630680994101

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

$$23.87 \div 12.19 - 76.69 \div 29.89 \times 17.37 = ?$$

- Ans
- ☐ 1. 567
 - ☐ 2. 234
 - ☐ 3. 345
 - ☒ 4. 435

Question ID : 630680256041
Option 1 ID : 630680994108
Option 2 ID : 630680994110
Option 3 ID : 630680994109
Option 4 ID : 630680994107

Q.10 In a row of a picture hall where all are facing north, Khalid is 25th from the left end and Kapil is 29th from the right end. They interchange their seats, and Sham who is sitting 34th from the left end is sitting at the 5th place to the left of Khalid new position. How many persons are there in one row of the picture hall?

- Ans
- ☐ 1. 56
 - ☒ 2. 67
 - ☐ 3. 76
 - ☐ 4. 62

Question ID : 630680256030
Option 1 ID : 630680994063
Option 2 ID : 630680994065
Option 3 ID : 630680994066
Option 4 ID : 630680994064

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. 13 - 39
 - ☒ 2. 27 - 81
 - ☐ 3. 23 - 69
 - ☐ 4. 17 - 51

Question ID : 630680256038
Option 1 ID : 630680994095
Option 2 ID : 630680994098
Option 3 ID : 630680994097
Option 4 ID : 630680994096

Q.12 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.

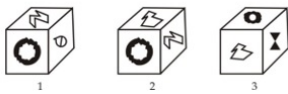
- Statements:**
- A. Some dogs are goats.
 - B. All goats are peacocks.
 - C. All peacocks are eagles.

- Conclusions:**
- I. Some peacocks are dogs.
 - II. All dogs are peacocks.
 - III. All eagles are peacocks.

- Ans**
- ✓ 1. Only conclusion I follows
 - ✗ 2. Only conclusions II and III follow
 - ✗ 3. Only conclusions I and II follow
 - ✗ 4. All the conclusions, I, II and III, follow

Question ID : 630680256024
Option 1 ID : 630680994039
Option 2 ID : 630680994040
Option 3 ID : 630680994042
Option 4 ID : 630680994041

Q.13 Three different positions of the same dice are shown. Which pattern will be on the face opposite to the one having 'D'?



- Ans**
- ✗ 1. [Symbol: A circle with a dot]
 - ✗ 2. [Symbol: A circle with a cross]
 - ✓ 3. [Symbol: A circle with a triangle]
 - ✗ 4. [Symbol: A circle with a square]

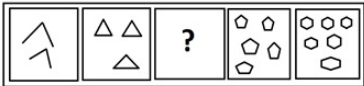
Question ID : 630680256036
Option 1 ID : 630680994090
Option 2 ID : 630680994089
Option 3 ID : 630680994088
Option 4 ID : 630680994087

Q.14 In a row of 80 students, Ram is at the 15th position to the right of Rohit, who is at the 40th position from the right end. What will be the position of Ram from the left end?

- Ans
- ☒ 1. 54th
 - ☒ 2. 56th
 - ☒ 3. 55th
 - ☒ 4. 57th

Question ID : 630680256023
Option 1 ID : 630680994038
Option 2 ID : 630680994035
Option 3 ID : 630680994037
Option 4 ID : 630680994036

Q.15 Select the figure from among the given options that can replace the question mark (?) in the following series.



- Ans
- ☒ 1.
 - ☒ 2.
 - ☒ 3.
 - ☒ 4.

Question ID : 630680256033
Option 1 ID : 630680994078
Option 2 ID : 630680994075
Option 3 ID : 630680994077
Option 4 ID : 630680994076

Q.16 If

P # Q means P is the brother of Q,

P @ Q means P is the father of Q, and

P & Q means P is the sister of Q,

then how is A related to E in the expression A # B @ C & D # E?

- Ans
- ✓ 1. Paternal uncle
 - ✗ 2. Father
 - ✗ 3. Grandfather
 - ✗ 4. Maternal uncle

Question ID : 630680256029
Option 1 ID : 630680994060
Option 2 ID : 630680994061
Option 3 ID : 630680994062
Option 4 ID : 630680994059

Q.17 AOPQRSTUVWXYZDEFMNWXBZGHIJKLYC

How many letters in the above string occupy the same position as they occupy in the English alphabet?

- Ans
- ✓ 1. Four
 - ✗ 2. Two
 - ✗ 3. One
 - ✗ 4. Three

Question ID : 630680256027
Option 1 ID : 630680994054
Option 2 ID : 630680994052
Option 3 ID : 630680994051
Option 4 ID : 630680994053

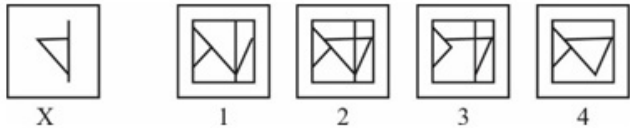
Q.18 Select the correct mirror image of the given combination when the mirror is held at the right side.

ACCESS

- Ans
- ✗ 1. ACCESS
 - ✗ 2. ACCESS
 - ✓ 3. ACCESS
 - ✗ 4. ACCESS

Question ID : 630680256034
Option 1 ID : 630680994080
Option 2 ID : 630680994081
Option 3 ID : 630680994082
Option 4 ID : 630680994079

Q.19 Select the alternative figure in which the given figure (X) is embedded.



- Ans ☒ 1. 3
☒ 2. 2
☒ 3. 1
☒ 4. 4

Question ID : 630680256035
Option 1 ID : 630680994085
Option 2 ID : 630680994083
Option 3 ID : 630680994084
Option 4 ID : 630680994086

Q.20 A statement is given, followed by two courses of action numbered I and II. You have to assume everything in the statement to be true, and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing.

Statement:

False cases on dowry are on the increase in the last few years.

Courses of Action:

- I. Government should instruct the local police administration to properly verify dowry complaints before registering an FIR.
II. Local police should take strict action on false cases of dowry.

- Ans ☒ 1. Only II follows
☒ 2. Only I follows
☒ 3. Either I or II follows
☒ 4. Both I and II follow

Question ID : 630680256032
Option 1 ID : 630680994072
Option 2 ID : 630680994071
Option 3 ID : 630680994073
Option 4 ID : 630680994074

Q.1 Which of the following pairs of personality and the associated musical instrument is NOT matched correctly?

- Ans
- ☒ 1. Zakir Hussain - Tabla
 - ☒ 2. Bismillah Khan -Shehnai
 - ☒ 3. Bhajan Sopori - Veena
 - ☒ 4. Hari Prasad Chaurasia - Flute

Question ID : 630680256053
Option 1 ID : 630680994155
Option 2 ID : 630680994157
Option 3 ID : 630680994156
Option 4 ID : 630680994158

Q.2 Which Constitutional Amendment Act promoted the appointment of the same person as a Governor for two or more states?

- Ans
- ☒ 1. Ninth
 - ☒ 2. Third
 - ☒ 3. Fifth
 - ☒ 4. Seventh

Question ID : 630680256061
Option 1 ID : 630680994190
Option 2 ID : 630680994187
Option 3 ID : 630680994188
Option 4 ID : 630680994189

Q.3 Where is the India's first Dark Night Sky Reserve being established?

- Ans
- ☒ 1. Ladakh
 - ☒ 2. Daman and Diu
 - ☒ 3. Lakshadweep
 - ☒ 4. Dadra and Nagar Haveli

Question ID : 630680256043
Option 1 ID : 630680994115
Option 2 ID : 630680994116
Option 3 ID : 630680994118
Option 4 ID : 630680994117

Q.4 Which of the following types of structures is NOT associated with Buddhist architecture in India?

- Ans
- ☒ 1. Chaityas
 - ☒ 2. Monkas
 - ☒ 3. Viharas
 - ☒ 4. Stupas

Question ID : 630680256051
Option 1 ID : 630680994150
Option 2 ID : 630680994149
Option 3 ID : 630680994147
Option 4 ID : 630680994148

Q.5 The first Indian to participate in NASA's International Air and Space Program was ____.

- Ans ☒ 1. Jahnabi Dangeti
- ☐ 2. Detriya Devi
- ☐ 3. Kusum Ghosat
- ☐ 4. Maanvi Bhatt

Question ID : 630680256044
Option 1 ID : 630680994120
Option 2 ID : 630680994121
Option 3 ID : 630680994122
Option 4 ID : 630680994119

Q.6 Which of the following was the host country for the FIFA World Cup 2022?

- Ans ☐ 1. Turkey
- ☐ 2. Saudi Arabia
- ☒ 3. Qatar
- ☐ 4. UAE

Question ID : 630680256048
Option 1 ID : 630680994138
Option 2 ID : 630680994135
Option 3 ID : 630680994137
Option 4 ID : 630680994136

Q.7 Which of the following states has the highest number of operating mines (excluding fuels, atomic mineral and minor minerals), according to the Annual Report, 2021-22 of the Ministry of Mines?

- Ans ☐ 1. Odisha
- ☒ 2. Madhya Pradesh
- ☐ 3. Jharkhand
- ☐ 4. Rajasthan

Question ID : 630680256057
Option 1 ID : 630680994172
Option 2 ID : 630680994174
Option 3 ID : 630680994173
Option 4 ID : 630680994171

Q.8 As of December 2022, who was the Lieutenant Governor of Delhi?

- Ans ☐ 1. Tajendra Khanna
- ☒ 2. Vinai Kumar Saxena
- ☐ 3. Najeeb Jung
- ☐ 4. Anil Baijal

Question ID : 630680256062
Option 1 ID : 630680994194
Option 2 ID : 630680994193
Option 3 ID : 630680994192
Option 4 ID : 630680994191

Q.9 Which of the following is NOT a sexually transmitted disease?

- Ans ☒ 1. AIDS
- ☒ 2. Amoebiasis
- ☒ 3. Gonorrhea
- ☒ 4. Syphilis

Question ID : 630680256059
Option 1 ID : 630680994180
Option 2 ID : 630680994182
Option 3 ID : 630680994179
Option 4 ID : 630680994181

Q.10 The Battle of Khanwa (1527) was fought between the forces of Rana Sanga and ____.

- Ans ☒ 1. Babur
- ☒ 2. Mahmood Khalji
- ☒ 3. Isham Khan
- ☒ 4. Ibrahim Lodhi

Question ID : 630680256049
Option 1 ID : 630680994141
Option 2 ID : 630680994140
Option 3 ID : 630680994142
Option 4 ID : 630680994139

Q.11 Which of the following eras is considered as the age of the dinosaurs?

- Ans ☒ 1. Cenozoic
- ☒ 2. Precambrian
- ☒ 3. Palaeozoic
- ☒ 4. Mesozoic

Question ID : 630680256058
Option 1 ID : 630680994175
Option 2 ID : 630680994178
Option 3 ID : 630680994177
Option 4 ID : 630680994176

Q.12 'Buiya' is a popular folk-dance form of which of the following states?

- Ans ☒ 1. Mizoram
- ☒ 2. Nagaland
- ☒ 3. Arunachal Pradesh
- ☒ 4. Manipur

Question ID : 630680256052
Option 1 ID : 630680994152
Option 2 ID : 630680994154
Option 3 ID : 630680994151
Option 4 ID : 630680994153

Q.13 What name was given to the operation for liberation of Goa, in 1961, to make it a part of the Union of India?

- Ans
- ✓ 1. Operation Vijay
 - ✗ 2. Operation Margao
 - ✗ 3. Operation Polo
 - ✗ 4. Operation Searchlight

Question ID : 630680256050
Option 1 ID : 630680994144
Option 2 ID : 630680994145
Option 3 ID : 630680994143
Option 4 ID : 630680994146

Q.14 The Ministry of Women and Child Development (MWCD), in partnership with the Ministry of Education, GOI and UNICEF, launched which of the following campaigns to bring back 'out of school' adolescent girls in India to the formal education and/or skilling system?

- Ans
- ✗ 1. Shakti Shiksha Abhiyaan
 - ✗ 2. Beti Bachao Beti Padhao
 - ✓ 3. Kanya Shiksha Pravesh Utsav
 - ✗ 4. She is a Changemaker

Question ID : 630680256045
Option 1 ID : 630680994126
Option 2 ID : 630680994125
Option 3 ID : 630680994124
Option 4 ID : 630680994123

Q.15 National Action Plan for Mechanised Sanitation Ecosystem (NAMASTE) is a joint initiative of ____ and ____.

- Ans
- ✓ 1. Ministry of Social Justice and Empowerment; Ministry of Housing and Urban Affairs
 - ✗ 2. Ministry of Environment and Climate Change; Ministry of Housing and Urban Affairs
 - ✗ 3. Ministry of Environment and Climate Change; Ministry of Minority Affairs
 - ✗ 4. Ministry of Social Justice and Empowerment; Ministry of Environment and Climate Change

Question ID : 630680256046
Option 1 ID : 630680994129
Option 2 ID : 630680994128
Option 3 ID : 630680994130
Option 4 ID : 630680994127

Q.16 How many internal reflections do light rays undergo, inside a raindrop, to form a secondary rainbow?

- Ans
- ✗ 1. One
 - ✗ 2. Four
 - ✗ 3. Three
 - ✓ 4. Two

Question ID : 630680256060
Option 1 ID : 630680994183
Option 2 ID : 630680994186
Option 3 ID : 630680994185
Option 4 ID : 630680994184

Q.17 As per the Census of India 2011, what percentage of Indians live in rural areas?

- Ans
- ☒ 1. 81.2
 - ☒ 2. 61.5
 - ☒ 3. 68.8
 - ☒ 4. 77.3

Question ID : 630680256055
Option 1 ID : 630680994166
Option 2 ID : 630680994163
Option 3 ID : 630680994164
Option 4 ID : 630680994165

Q.18 The formula for calculating Net National Product (NNP) is ____.

- Ans
- ☒ 1. GNP – Depreciation
 - ☒ 2. GDP + Depreciation
 - ☒ 3. GNP + Depreciation
 - ☒ 4. GDP – Depreciation

Question ID : 630680256054
Option 1 ID : 630680994159
Option 2 ID : 630680994162
Option 3 ID : 630680994161
Option 4 ID : 630680994160

Q.19 Which of the following states had the highest growth rate for population according to the Census of India, 2011 as compared to that of 2001?

- Ans
- ☒ 1. Himachal Pradesh
 - ☒ 2. Meghalaya
 - ☒ 3. Bihar
 - ☒ 4. Uttar Pradesh

Question ID : 630680256056
Option 1 ID : 630680994168
Option 2 ID : 630680994167
Option 3 ID : 630680994170
Option 4 ID : 630680994169

Q.20 Who among the following was the first woman president of the Indian Olympic Association?

- Ans
- ☒ 1. Sania Mirza
 - ☒ 2. MC Mary Kom
 - ☒ 3. PT Usha
 - ☒ 4. Geeta Phogat

Question ID : 630680256047
Option 1 ID : 630680994134
Option 2 ID : 630680994132
Option 3 ID : 630680994131
Option 4 ID : 630680994133

Q.1 A has a sum of ₹12,528, which is 16% more than what B has and 20% less than what C has. The amount that B and C together have is:

- Ans**
- ✓ 1. ₹26,460
 - ✗ 2. ₹26,450
 - ✗ 3. ₹26,420
 - ✗ 4. ₹26,550

Question ID : 630680256068

Option 1 ID : 630680994216

Option 2 ID : 630680994217

Option 3 ID : 630680994218

Option 4 ID : 630680994215

Q.2 The value of $\frac{\left(6\frac{2}{5} \div 5\frac{1}{3} \text{ of } 4\frac{1}{2}\right) - \left(1\frac{1}{2} \div 3\frac{3}{5} \text{ of } \frac{5}{6}\right) + \frac{2}{5}}{\frac{3}{4} - 2\frac{2}{3} \div 1\frac{1}{5} \text{ of } \frac{5}{9} + 4\frac{1}{4}}$ is:

- Ans**
- ✗ 1. $\frac{1}{3}$
 - ✗ 2. $\frac{5}{6}$
 - ✗ 3. $\frac{2}{3}$
 - ✓ 4. $\frac{2}{9}$

Question ID : 630680256063

Option 1 ID : 630680994195

Option 2 ID : 630680994198

Option 3 ID : 630680994197

Option 4 ID : 630680994196

Q.3 A varies directly as B and inversely as C. When B = 25 and C = 18, then A = 20. If B = 35 and C = 16, then what is the value of A?

- Ans**
- ✗ 1. 32
 - ✓ 2. 31.5
 - ✗ 3. 30
 - ✗ 4. 32.5

Question ID : 630680256073

Option 1 ID : 630680994237

Option 2 ID : 630680994236

Option 3 ID : 630680994235

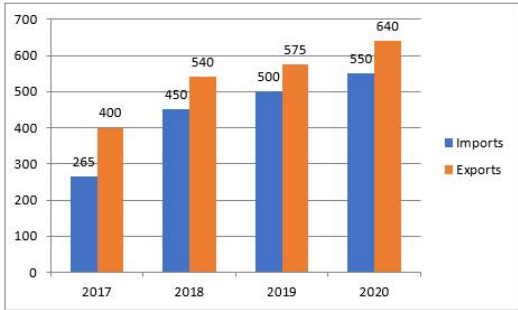
Option 4 ID : 630680994238

Q.4 6 years ago, the ratio of the ages (in years) of Renu and Raman was 5 : 11. After 6 years from now, the ratio of their ages will be 11 : 17. What is the sum of their present ages (in years)?

- Ans** ☒ 1. 34
☒ 2. 46
☒ 3. 44
☒ 4. 38

Question ID : 630680256071
Option 1 ID : 630680994227
Option 2 ID : 630680994230
Option 3 ID : 630680994229
Option 4 ID : 630680994228

Q.5 Study the given graph and answer the following question.
Imports and exports of a company in 2017 to 2020 (in ₹ crores)



The ratio of the average exports of the company in 2018 and 2020 to the total imports in 2017 and 2019 is:

- Ans** ☒ 1. 118 : 153
☒ 2. 31 : 39
☒ 3. 41 : 51
☒ 4. 115 : 151

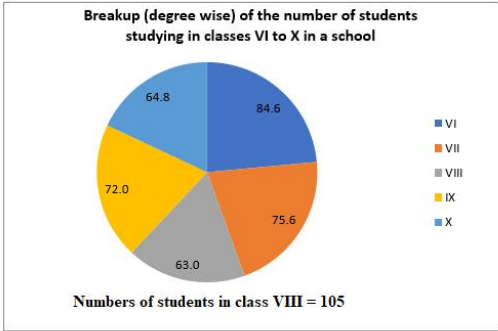
Question ID : 630680256082
Option 1 ID : 630680994271
Option 2 ID : 630680994273
Option 3 ID : 630680994274
Option 4 ID : 630680994272

Q.6 A man marks an article 60% above its cost price and sells it by giving two successive discounts of 25% and 5% on its marked price. What is his profit percentage?

- Ans** ☒ 1. 14%
☒ 2. 20%
☒ 3. 30%
☒ 4. 16%

Question ID : 630680256070
Option 1 ID : 630680994226
Option 2 ID : 630680994224
Option 3 ID : 630680994223
Option 4 ID : 630680994225

Q.7 Study the given pie chart and answer the following question.



The ratio of the number of boys and girls in class X is 4 : 5 and the ratio of that of boys and girls in class VII is 5 : 9. What is the ratio of the number of boys in class VII to the number of girls in class X?

- Ans
- ✗ 1. 4 : 3
 - ✗ 2. 4 : 5
 - ✗ 3. 5 : 4
 - ✓ 4. 3 : 4

Question ID : 630680256081
Option 1 ID : 630680994267
Option 2 ID : 630680994269
Option 3 ID : 630680994270
Option 4 ID : 630680994268

Q.8 The ratio of acid and water in solution A is 2 : 5 and the ratio of acid and water in solution B is 6 : 7. 7 L of A is mixed with 9 L of B. In 312 mL of the resulting solution, the quantity (in mL) of acid is:

- Ans
- ✗ 1. 125
 - ✗ 2. 135
 - ✓ 3. 120
 - ✗ 4. 130

Question ID : 630680256067
Option 1 ID : 630680994212
Option 2 ID : 630680994214
Option 3 ID : 630680994211
Option 4 ID : 630680994213

Q.9 If the 9-digit number 924x597y4 is divisible by 88, then the maximum possible value of (5x – 3y) is:

- Ans
- ✗ 1. 37
 - ✗ 2. 23
 - ✗ 3. 17
 - ✓ 4. 35

Question ID : 630680256064
Option 1 ID : 630680994202
Option 2 ID : 630680994200
Option 3 ID : 630680994199
Option 4 ID : 630680994201

Q.10 By selling an article at $\frac{11}{25}$ of its selling price, a shopkeeper loses 34%. If he sells it at 80% of its original selling price, then his profit percentage is:

- Ans** ☒ 1. 28%
☒ 2. 20%
☒ 3. 30%
☒ 4. 25%

Question ID : 630680256069
Option 1 ID : 630680994221
Option 2 ID : 630680994219
Option 3 ID : 630680994222
Option 4 ID : 630680994220

Q.11 A train passes two bridges of length 900 m and 420 m in 75 seconds and 50 seconds, respectively. The length (in m) of the train is:

- Ans** ☒ 1. 540
☒ 2. 500
☒ 3. 550
☒ 4. 520

Question ID : 630680256076
Option 1 ID : 630680994249
Option 2 ID : 630680994247
Option 3 ID : 630680994250
Option 4 ID : 630680994248

Q.12 Pipe A can fill a tank in 20 hours and pipe B can empty the full tank in 40 hours. Both pipes were initially opened together for 30 hours, and then pipe B was closed and pipe A continued to fill the tank. In how much total time (in hours) was the tank filled completely?

- Ans** ☒ 1. 36
☒ 2. 38
☒ 3. 34
☒ 4. 35

Question ID : 630680256077
Option 1 ID : 630680994253
Option 2 ID : 630680994254
Option 3 ID : 630680994251
Option 4 ID : 630680994252

Q.13 A circle is inscribed in a square. Another circle concentric to this circle is drawn within the circle. The area of the ring formed by these two circles is 1540 cm^2 and the difference between their radii is 7 cm . What is the perimeter (in cm) of the square? (Use $\pi = \frac{22}{7}$)

- Ans** ☒ 1. 308
☐ 2. 352
☐ 3. 264
☐ 4. 336

Question ID : 630680256080
Option 1 ID : 630680994264
Option 2 ID : 630680994266
Option 3 ID : 630680994263
Option 4 ID : 630680994265

Q.14 An item is available for ₹1,600 cash or for ₹700 cash down payment, followed by three monthly instalments of ₹310 each. The rate of interest (simple) p.a. charged under the instalment plan is (approximate):

- Ans** ☐ 1. 20.8%
☐ 2. 21.6%
☒ 3. 20.3%
☐ 4. 21.2%

Question ID : 630680256075
Option 1 ID : 630680994244
Option 2 ID : 630680994246
Option 3 ID : 630680994243
Option 4 ID : 630680994245

Q.15 A certain sum invested at simple interest for $3\frac{1}{2}$ years amounts to ₹6,747 and for 5 years amounts to ₹7,410 at the same rate per cent per annum. The rate of interest p.a. is:

- Ans** ☒ 1. 8.5%
☐ 2. 7.5%
☐ 3. 8%
☐ 4. 9%

Question ID : 630680256074
Option 1 ID : 630680994241
Option 2 ID : 630680994239
Option 3 ID : 630680994240
Option 4 ID : 630680994242

Q.16 Two solid metallic right circular cones of heights 31 cm and 53 cm and radii of their bases 21 cm each are melted and recast into a solid sphere. What is the surface area (in cm^2) of the sphere?

- Ans
- ✓ 1. 1764π
 - ✗ 2. 900π
 - ✗ 3. 1600π
 - ✗ 4. 1296π

Question ID : 630680256079
Option 1 ID : 630680994259
Option 2 ID : 630680994262
Option 3 ID : 630680994260
Option 4 ID : 630680994261

Q.17 A can do a certain work in 14 days. B is $33\frac{1}{3}\%$ less efficient than A. Both started to work together, but A left the work 2 days before the completion of the work and B continued to work till the work was over. In how many days was the whole work completed?

- Ans
- ✓ 1. $9\frac{3}{5}$
 - ✗ 2. $8\frac{1}{4}$
 - ✗ 3. $8\frac{1}{2}$
 - ✗ 4. $10\frac{2}{5}$

Question ID : 630680256078
Option 1 ID : 630680994257
Option 2 ID : 630680994255
Option 3 ID : 630680994256
Option 4 ID : 630680994258

Q.18 A and B start a business by investing their capitals in the ratio of $\frac{2}{3} : \frac{3}{6}$. After 4 months, A reduced his capital by 50% and B increased his capital by one-third. What will be the share (in ₹ lakhs) of B in a total profit of ₹ 39 lakhs, after 1 year?

- Ans
- ✗ 1. 18.6
 - ✗ 2. 17.2
 - ✓ 3. 19.8
 - ✗ 4. 13.2

Question ID : 630680256072
Option 1 ID : 630680994233
Option 2 ID : 630680994232
Option 3 ID : 630680994234
Option 4 ID : 630680994231

Q.19 When 1529, 2178 and 2886 are divided by the greatest number n , the remainder in each case is r . What is the value of $(3n - 2r)$?

- Ans
- ✓ 1. 69
 - ✗ 2. 61
 - ✗ 3. 67
 - ✗ 4. 63

Question ID : 630680256065
Option 1 ID : 630680994206
Option 2 ID : 630680994203
Option 3 ID : 630680994205
Option 4 ID : 630680994204

Q.20 A car travels for 45 minutes at a speed of 80 km/h, the next 40 minutes at a speed of 48 km/h and the next 35 minutes at a speed of x km/h. If his average speed for the whole journey is $72\frac{1}{4}$ km/h, then what is the value of x ?

- Ans
- ✗ 1. 96
 - ✓ 2. 90
 - ✗ 3. 80
 - ✗ 4. 84

Question ID : 630680256066
Option 1 ID : 630680994207
Option 2 ID : 630680994208
Option 3 ID : 630680994210
Option 4 ID : 630680994209

Section : Test of English Language and Comprehension

Q.1 Select the option that contains no spelling error.

- Ans
- ✗ 1. The horrizontal movements of ocean water are reffered to as currents, while the vertical changes are called upwelling or downwelling.
 - ✗ 2. The horrizontal movements of ocean water are refered to as currents, while the vertical changes are called upwelling or downwelling.
 - ✓ 3. The horizontal movements of ocean water are referred to as currents, while the vertical changes are called upwelling or downwelling.
 - ✗ 4. The horrizontal movements of ocean water are referred to as currents, while the vertical changes are called upwelling or downwelling.

Question ID : 630680256092
Option 1 ID : 630680994314
Option 2 ID : 630680994313
Option 3 ID : 630680994311
Option 4 ID : 630680994312

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

You can't have your cake and eat it too

- Ans
- ✗ 1. Not to worry much about trivial matters
 - ✗ 2. Encourage people to achieve at least one goal, if not two
 - ✗ 3. To do two things that are similar to each other
 - ✓ 4. Unable to do two things that are contradictory to each other

Question ID : 630680256095
Option 1 ID : 630680994325
Option 2 ID : 630680994326
Option 3 ID : 630680994324
Option 4 ID : 630680994323

Q.3 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) Travellers should, however, realise that change cannot be brought by a single person, and we should join hands together and vow to follow the traffic rules.
- 2) Eight out of ten road accidents are caused by the people who don't follow the rules of the road.
- 3) Abiding by the traffic rules will only help us in having a smooth traffic flow and preventing road accidents.
- 4) Road safety rules are meant for public safety and to keep the traffic congestion in check.

- Ans
- ✗ 1. 3,4,1,2
 - ✗ 2. 1,3,2,4
 - ✓ 3. 4,2,1,3
 - ✗ 4. 3,2,1,4

Question ID : 630680256083
Option 1 ID : 630680994278
Option 2 ID : 630680994275
Option 3 ID : 630680994276
Option 4 ID : 630680994277

Q.4 Select the most appropriate ANTONYM of the underlined word/ set of given words.

Garima has a propensity for being the attention seeker in the department.

She's inherited from her father a propensity to talk too much

- Ans
- ✗ 1. aptness
 - ✓ 2. disinclination
 - ✗ 3. competence
 - ✗ 4. disposition

Question ID : 630680256090
Option 1 ID : 630680994306
Option 2 ID : 630680994304
Option 3 ID : 630680994305
Option 4 ID : 630680994303

Q.5 Select the option that can be used as a one-word substitute for the given group of words.

One who believes in ruthless self-aggrandisement

- Ans
- ☒ 1. Introvert
 - ☒ 2. Egoist
 - ☒ 3. Altruistic
 - ☒ 4. Iconoclast

Question ID : 630680256086
Option 1 ID : 630680994287
Option 2 ID : 630680994290
Option 3 ID : 630680994288
Option 4 ID : 630680994289

Q.6 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The ideal detect dog / is extremely energetic / with an excessive / play drive.

- Ans
- ☒ 1. The ideal detect dog
 - ☒ 2. with an excessive
 - ☒ 3. play drive
 - ☒ 4. is extremely energetic

Question ID : 630680256096
Option 1 ID : 630680994327
Option 2 ID : 630680994329
Option 3 ID : 630680994330
Option 4 ID : 630680994328

Q.7 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'.

Barely has they won the match when the coach had a heart attack.

- Ans
- ☒ 1. Barely have they won
 - ☒ 2. Barely did they won
 - ☒ 3. No substitution required
 - ☒ 4. Barely had they won

Question ID : 630680256088
Option 1 ID : 630680994296
Option 2 ID : 630680994295
Option 3 ID : 630680994298
Option 4 ID : 630680994297

Q.8 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The sparrows are / some of the few birds / that engage on / dust bathing.

- Ans
- ☐ 1. some of the few birds
 - ☐ 2. The sparrows are
 - ☐ 3. dust bathing
 - ☒ 4. that engage on

Question ID : 630680256097
Option 1 ID : 630680994332
Option 2 ID : 630680994331
Option 3 ID : 630680994334
Option 4 ID : 630680994333

Q.9 Select the most appropriate option to fill in the blank with the correct collocation.

If you read _____ you will clearly see what he means.

- Ans
- ☐ 1. among the lines
 - ☐ 2. with the lines
 - ☐ 3. on the lines
 - ☒ 4. between the lines

Question ID : 630680256089
Option 1 ID : 630680994301
Option 2 ID : 630680994300
Option 3 ID : 630680994299
Option 4 ID : 630680994302

Q.10 Select the option that contains no spelling error.

- Ans
- ☒ 1. Conservation canines are fast becoming indispensable tools for biologists.
 - ☐ 2. Conservation cannines are fast becoming indispensable tools for biologicists.
 - ☐ 3. Conversatoin canines are fast becoming indispensable tools for biologists.
 - ☐ 4. Conversation canines are fast becoming indespicable tools for biologists.

Question ID : 630680256093
Option 1 ID : 630680994317
Option 2 ID : 630680994318
Option 3 ID : 630680994315
Option 4 ID : 630680994316

Q.11 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 the company launch its new product than it went bankrupt.

- Ans
- ☒ 1. No substitution required
 - ☒ 2. No sooner had the company launched
 - ☒ 3. No sooner did the company launched
 - ☒ 4. No sooner have the company launched

Question ID : 630680256087
Option 1 ID : 630680994294
Option 2 ID : 630680994293
Option 3 ID : 630680994292
Option 4 ID : 630680994291

Q.12 Select the most appropriate meaning of the given idiom.

Blow off steam

- Ans
- ☒ 1. To be careful with steam
 - ☒ 2. To get rid of pent-up energy or strong emotion
 - ☒ 3. To deal with reality
 - ☒ 4. To experience maximum heat

Question ID : 630680256094
Option 1 ID : 630680994321
Option 2 ID : 630680994320
Option 3 ID : 630680994322
Option 4 ID : 630680994319

Q.13 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) As one starts growing old, the lens of the eye hardens, loses its transparency and becomes opaque.
- 2) Cataract is the major cause of blindness, which is also caused by a damage to the cornea.
- 3) It obstructs the light rays from entering the eye.
- 4) It occurs more often in old age.

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

Question ID : 630680256084
Option 1 ID : 630680994280
Option 2 ID : 630680994282
Option 3 ID : 630680994279
Option 4 ID : 630680994281

Q.14 Select the option that can be used as a one-word substitute for the given group of words.

Study of various aspects of aging

- Ans
- ☐ 1. Microbiology
 - ☐ 2. Chronology
 - ☐ 3. Genealogy
 - ☒ 4. Gerontology

Question ID : 630680256085
Option 1 ID : 630680994286
Option 2 ID : 630680994284
Option 3 ID : 630680994285
Option 4 ID : 630680994283

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

As she _____ her hands from the deck I fear the huge _____ of ocean.

- Ans
- ☐ 1. hauls
 - ☐ 2. ripples
 - ☐ 3. tides
 - ☒ 4. waves

Question ID : 630680256091
Option 1 ID : 630680994309
Option 2 ID : 630680994307
Option 3 ID : 630680994310
Option 4 ID : 630680994308

Comprehension:

Read the given passage and answer the questions that follow.

When I was very little, I caught the travel bug. It started after my grandparents first brought me to their home in France and I have now been to twenty-nine different countries. Each has given me a unique learning experience.

At five, I marvelled at the Eiffel Tower in the City of Lights. When I was eight, I stood in the heart of Piazza San Marco feeding hordes of pigeons, then glided down Venetian waterways on sleek gondolas. At thirteen, I saw the ancient, megalithic structure of Stonehenge and walked along the Great Wall of China, amazed that the thousand-year-old stones were still in place.

It was through exploring cultures around the world that I first became interested in language.

It began with French, which taught me the importance of pronunciation. I remember once asking a store owner in Paris where Rue des Pyramides was. But when I pronounced it PYR-a-mides instead of pyr-A-mides, with more accent on the A, she looked at me bewildered.

In the eighth grade, I became fascinated with Spanish and aware of its similarities with English through cognates. Baseball in Spanish, for example, is béisbol, which looks different but sounds nearly the same. This was incredible to me as it made speech and comprehension more fluid, and even today I find that cognates come to the rescue when I forget how to say something in Spanish.

Then, in high school, I developed an enthusiasm for Chinese. As I studied Chinese at my school, I marvelled how if just one stroke was missing from a character, the meaning is lost. I loved how long words were formed by combining simpler characters, so Huǒ meaning fire and Shān meaning mountain can be joined to create Huǒshān, which means volcano. I love spending hours at a time practicing the characters and I can feel the beauty and rhythm as I form them.

SubQuestion No : 16

Q.16 Identify the tone of the given passage.

- Ans
- ☒ 1. Sad
 - ☒ 2. Hypocritical
 - ☒ 3. Narrative and descriptive
 - ☒ 4. Optimistic

Question ID : 630680256103
Option 1 ID : 630680994351
Option 2 ID : 630680994353
Option 3 ID : 630680994354
Option 4 ID : 630680994352

Comprehension:

Read the given passage and answer the questions that follow.

When I was very little, I caught the travel bug. It started after my grandparents first brought me to their home in France and I have now been to twenty-nine different countries. Each has given me a unique learning experience.

At five, I marvelled at the Eiffel Tower in the City of Lights. When I was eight, I stood in the heart of Piazza San Marco feeding hordes of pigeons, then glided down Venetian waterways on sleek gondolas. At thirteen, I saw the ancient, megalithic structure of Stonehenge and walked along the Great Wall of China, amazed that the thousand-year-old stones were still in place.

It was through exploring cultures around the world that I first became interested in language.

It began with French, which taught me the importance of pronunciation. I remember once asking a store owner in Paris where Rue des Pyramides was. But when I pronounced it PYR-a-mides instead of pyr-A-mides, with more accent on the A, she looked at me bewildered.

In the eighth grade, I became fascinated with Spanish and aware of its similarities with English through cognates. Baseball in Spanish, for example, is béisbol, which looks different but sounds nearly the same. This was incredible to me as it made speech and comprehension more fluid, and even today I find that cognates come to the rescue when I forget how to say something in Spanish.

Then, in high school, I developed an enthusiasm for Chinese. As I studied Chinese at my school, I marvelled how if just one stroke was missing from a character, the meaning is lost. I loved how long words were formed by combining simpler characters, so Huǒ meaning fire and Shān meaning mountain can be joined to create Huǒshān, which means volcano. I love spending hours at a time practicing the characters and I can feel the beauty and rhythm as I form them.

SubQuestion No : 17

Q.17 Identify the most suitable title for the given passage.

- Ans
- ☐ 1. The Beautiful World
 - ☐ 2. Solo Travellers
 - ☒ 3. Travel and Language
 - ☐ 4. 7 Wonders of the World

Question ID : 630680256099
Option 1 ID : 630680994336
Option 2 ID : 630680994337
Option 3 ID : 630680994335
Option 4 ID : 630680994338

Comprehension:

Read the given passage and answer the questions that follow.

When I was very little, I caught the travel bug. It started after my grandparents first brought me to their home in France and I have now been to twenty-nine different countries. Each has given me a unique learning experience.

At five, I marvelled at the Eiffel Tower in the City of Lights. When I was eight, I stood in the heart of Piazza San Marco feeding hordes of pigeons, then glided down Venetian waterways on sleek gondolas. At thirteen, I saw the ancient, megalithic structure of Stonehenge and walked along the Great Wall of China, amazed that the thousand-year-old stones were still in place.

It was through exploring cultures around the world that I first became interested in language.

It began with French, which taught me the importance of pronunciation. I remember once asking a store owner in Paris where Rue des Pyramides was. But when I pronounced it PYR-a-mides instead of pyr-A-mides, with more accent on the A, she looked at me bewildered.

In the eighth grade, I became fascinated with Spanish and aware of its similarities with English through cognates. Baseball in Spanish, for example, is béisbol, which looks different but sounds nearly the same. This was incredible to me as it made speech and comprehension more fluid, and even today I find that cognates come to the rescue when I forget how to say something in Spanish.

Then, in high school, I developed an enthusiasm for Chinese. As I studied Chinese at my school, I marvelled how if just one stroke was missing from a character, the meaning is lost. I loved how long words were formed by combining simpler characters, so Huǒ meaning fire and Shān meaning mountain can be joined to create Huǒshān, which means volcano. I love spending hours at a time practicing the characters and I can feel the beauty and rhythm as I form them.

SubQuestion No : 18

Q.18 Which word from the passage is the most appropriate synonym of the word 'unbelievable'?

- Ans
- ☒ 1. Amazed
 - ☒ 2. Bewildered
 - ☒ 3. Incredible
 - ☒ 4. Enthusiasm

Question ID : 630680256102
Option 1 ID : 630680994347
Option 2 ID : 630680994349
Option 3 ID : 630680994350
Option 4 ID : 630680994348

Comprehension:

Read the given passage and answer the questions that follow.

When I was very little, I caught the travel bug. It started after my grandparents first brought me to their home in France and I have now been to twenty-nine different countries. Each has given me a unique learning experience.

At five, I marvelled at the Eiffel Tower in the City of Lights. When I was eight, I stood in the heart of Piazza San Marco feeding hordes of pigeons, then glided down Venetian waterways on sleek gondolas. At thirteen, I saw the ancient, megalithic structure of Stonehenge and walked along the Great Wall of China, amazed that the thousand-year-old stones were still in place.

It was through exploring cultures around the world that I first became interested in language.

It began with French, which taught me the importance of pronunciation. I remember once asking a store owner in Paris where Rue des Pyramides was. But when I pronounced it PYR-a-mides instead of pyr-A-mides, with more accent on the A, she looked at me bewildered.

In the eighth grade, I became fascinated with Spanish and aware of its similarities with English through cognates. Baseball in Spanish, for example, is béisbol, which looks different but sounds nearly the same. This was incredible to me as it made speech and comprehension more fluid, and even today I find that cognates come to the rescue when I forget how to say something in Spanish.

Then, in high school, I developed an enthusiasm for Chinese. As I studied Chinese at my school, I marvelled how if just one stroke was missing from a character, the meaning is lost. I loved how long words were formed by combining simpler characters, so Huǒ meaning fire and Shān meaning mountain can be joined to create Huǒshān, which means volcano. I love spending hours at a time practicing the characters and I can feel the beauty and rhythm as I form them.

SubQuestion No : 19

Q.19 Which word from the passage is the most appropriate ANTONYM of the word 'ordinary'?

- Ans
- ☒ 1. Marvelled
 - ☒ 2. Fascinated
 - ☒ 3. Unique
 - ☒ 4. Bewildered

Question ID : 630680256101
Option 1 ID : 630680994346
Option 2 ID : 630680994343
Option 3 ID : 630680994345
Option 4 ID : 630680994344

Comprehension:

Read the given passage and answer the questions that follow.

When I was very little, I caught the travel bug. It started after my grandparents first brought me to their home in France and I have now been to twenty-nine different countries. Each has given me a unique learning experience.

At five, I marvelled at the Eiffel Tower in the City of Lights. When I was eight, I stood in the heart of Piazza San Marco feeding hordes of pigeons, then glided down Venetian waterways on sleek gondolas. At thirteen, I saw the ancient, megalithic structure of Stonehenge and walked along the Great Wall of China, amazed that the thousand-year-old stones were still in place.

It was through exploring cultures around the world that I first became interested in language.

It began with French, which taught me the importance of pronunciation. I remember once asking a store owner in Paris where Rue des Pyramides was. But when I pronounced it PYR-a-mides instead of pyr-A-mides, with more accent on the A, she looked at me bewildered.

In the eighth grade, I became fascinated with Spanish and aware of its similarities with English through cognates. Baseball in Spanish, for example, is béisbol, which looks different but sounds nearly the same. This was incredible to me as it made speech and comprehension more fluid, and even today I find that cognates come to the rescue when I forget how to say something in Spanish.

Then, in high school, I developed an enthusiasm for Chinese. As I studied Chinese at my school, I marvelled how if just one stroke was missing from a character, the meaning is lost. I loved how long words were formed by combining simpler characters, so Huǒ meaning fire and Shān meaning mountain can be joined to create Huǒshān, which means volcano. I love spending hours at a time practicing the characters and I can feel the beauty and rhythm as I form them.

SubQuestion No : 20

Q.20 The author was fascinated by which of the following when he was thirteen?

- Ans ☒ 1. All the twenty-nine different countries he had visited
- ☒ 2. Great Wall of China
- ☒ 3. Eiffel Tower in the City of Lights
- ☒ 4. Piazza San Marco

Question ID : 630680256100
Option 1 ID : 630680994342
Option 2 ID : 630680994340
Option 3 ID : 630680994339
Option 4 ID : 630680994341

Section : Test of Hindi Language and Comprehension

Q.1 वाक्य-विन्यास की दृष्टि से शुद्ध वाक्य का चयन करें।

- Ans ☒ 1. पालन करती है जनता शासक की आज्ञा का।
- ☒ 2. शासक की आज्ञा का जनता पालन करती है।
- ☒ 3. जनता शासक की आज्ञा का पालन करती है।
- ☒ 4. जनता आज्ञा का पालन करती है शासक की।

Question ID : 630680256104
Option 1 ID : 630680994358
Option 2 ID : 630680994356
Option 3 ID : 630680994357
Option 4 ID : 630680994355

Q.2 निम्नलिखित में से किस वाक्य का प्रथमपद अशुद्ध है?

- Ans
- ☒ 1. सशक्त
 - ☒ 2. निर्दोष
 - ☒ 3. निरोग
 - ☒ 4. अतीन्द्रिय

Question ID : 630680256111
Option 1 ID : 630680994384
Option 2 ID : 630680994383
Option 3 ID : 630680994386
Option 4 ID : 630680994385

Q.3 दिए गए शब्दों में से 'समंजित' के विलोमार्थी शब्द की पहचान करें।

- Ans
- ☒ 1. मंजित
 - ☒ 2. समायोजित
 - ☒ 3. अमंजित
 - ☒ 4. असमंजित

Question ID : 630680256116
Option 1 ID : 630680994405
Option 2 ID : 630680994404
Option 3 ID : 630680994406
Option 4 ID : 630680994403

Q.4 'ओस का पानी होना' – अशुद्ध मुहावरे के रेखांकित शब्द को सही शब्द से बदलें।

- Ans
- ☒ 1. बूँद
 - ☒ 2. छींटा
 - ☒ 3. बुलबुला
 - ☒ 4. मोती

Question ID : 630680256114
Option 1 ID : 630680994397
Option 2 ID : 630680994398
Option 3 ID : 630680994395
Option 4 ID : 630680994396

Q.5 'भास्कर' शब्द के शुद्ध सन्धि-विच्छेद का चयन कीजिये।

- Ans
- ☒ 1. भास् + कर
 - ☒ 2. भा + स्कर
 - ☒ 3. भाः + कर
 - ☒ 4. भास्क + र

Question ID : 630680256110
Option 1 ID : 630680994379
Option 2 ID : 630680994381
Option 3 ID : 630680994380
Option 4 ID : 630680994382

Q.6 निम्नलिखित में से उस वाक्य का चयन करें जिसका पदक्रम शुद्ध हो?

- Ans ☒ 1. अंगद ने रावण से दो टूक बात कही कि मेरे पैर जमीन से हटा कर दिखाओ तो राम बिना सीता के वापस चले जायेंगे।
- ☐ 2. दो टूक कह देना ही होगा आज कि नचाना नाच ठीक नहीं तुम्हें।
- ☐ 3. वह घर जाता ही नहीं कैसी पट्टी मेरे बेटे को पढाई तुमने।
- ☐ 4. निनानवे के फेर में दोपहर को दतुअन करता है जेठामल तीसरे पहर को नाश्ता।

Question ID : 630680256105
Option 1 ID : 630680994362
Option 2 ID : 630680994361
Option 3 ID : 630680994360
Option 4 ID : 630680994359

Q.7 'उसको _____ पसंद है।' –उपयुक्त तत्सम शब्द चुनकर वाक्य पूर्ति करें।

- Ans ☐ 1. हरड़
- ☒ 2. लशुन
- ☐ 3. हल्दी
- ☐ 4. हींग

Question ID : 630680256117
Option 1 ID : 630680994408
Option 2 ID : 630680994410
Option 3 ID : 630680994409
Option 4 ID : 630680994407

Q.8 'श्रद्धा एक सामाजिक _____ है।'

उपयुक्त शब्द चुनकर, उपरोक्त वाक्य में रिक्त स्थान की पूर्ति करें।

- Ans ☒ 1. भाव
- ☐ 2. प्रभाव
- ☐ 3. प्रवंचना
- ☐ 4. अपराध

Question ID : 630680256106
Option 1 ID : 630680994364
Option 2 ID : 630680994365
Option 3 ID : 630680994366
Option 4 ID : 630680994363

Q.9 निम्नलिखित में से 'तलवार' शब्द के पर्याय का चयन करें।

- Ans ☐ 1. चाप
- ☐ 2. कीर
- ☐ 3. कुम्भिल
- ☒ 4. खंग

Question ID : 630680256115
Option 1 ID : 630680994402
Option 2 ID : 630680994401
Option 3 ID : 630680994399
Option 4 ID : 630680994400

Q.10 'पीछे-पीछे चलने वाला' – इस वाक्यांश के लिए उपयुक्त शब्द का चयन करें।

- Ans ☒ 1. अनुगामी
- ☐ 2. मित्र
- ☐ 3. सहायात्री
- ☐ 4. अनुवर्ती

Question ID : 630680256107
Option 1 ID : 630680994370
Option 2 ID : 630680994369
Option 3 ID : 630680994367
Option 4 ID : 630680994368

Q.11 'मुझे _____ नहीं मिला।' निम्न में से विदेशज शब्द चुनकर उक्त वाक्य को पूर्ण करें।

- Ans ☐ 1. साथ
- ☐ 2. दर्शन
- ☒ 3. मौका
- ☐ 4. समय

Question ID : 630680256118
Option 1 ID : 630680994414
Option 2 ID : 630680994411
Option 3 ID : 630680994413
Option 4 ID : 630680994412

Q.12 'विषधर – वह जो विष को धारण करता हो'- उक्त विग्रह किस समास के अनुसार किया गया है? पहचान करें।

- Ans ☐ 1. सम्बन्ध तत्पुरुष समास
- ☒ 2. बहुब्रीह समास
- ☐ 3. कर्मधारय समास
- ☐ 4. द्वंद्व समास

Question ID : 630680256112
Option 1 ID : 630680994390
Option 2 ID : 630680994388
Option 3 ID : 630680994389
Option 4 ID : 630680994387

Q.13 'पहले पैदा होने वाला' - इस वाक्यांश के लिए उपयुक्त शब्द का चयन करें।

- Ans ☒ 1. अग्रज
- ☐ 2. पूर्वज
- ☐ 3. अनुज
- ☐ 4. पूर्वगामी

Question ID : 630680256108
Option 1 ID : 630680994373
Option 2 ID : 630680994372
Option 3 ID : 630680994371
Option 4 ID : 630680994374

Q.14 'सो सुन्दर मादक मदिरा सी।

खंजन-दृग सुख-प्रद प्रभुता सी।।'

उक्त पंक्तियाँ, निम्न में से किस अलंकार का उदाहरण हैं?

- Ans
- ☒ 1. शब्दालंकार
 - ☒ 2. पाश्चात्य अलंकार
 - ☒ 3. उभयालंकार
 - ☒ 4. अर्थालंकार

Question ID : 630680256113
Option 1 ID : 630680994391
Option 2 ID : 630680994393
Option 3 ID : 630680994394
Option 4 ID : 630680994392

Q.15 उपयुक्त विशेषण शब्द चुनकर निम्न वाक्य को पूर्ण करें।

'_____ चिथड़े लपेटे रहो।'

- Ans
- ☒ 1. उचित-अनुचित
 - ☒ 2. फटे-पुराने
 - ☒ 3. नवीन-प्राचीन
 - ☒ 4. अगले-पिछले

Question ID : 630680256109
Option 1 ID : 630680994376
Option 2 ID : 630680994378
Option 3 ID : 630680994375
Option 4 ID : 630680994377

Comprehension:

दिए गए गद्यांश को ध्यान से पढ़ें और प्रश्न के उत्तर दें।

हिन्दी समीक्षकों में आचार्य रामचंद्र शुक्ल जी के बाद जिस आलोचक का नाम बड़े आदर से लिया जाता है वह हैं आचार्य नंददुलारे वाजपेई। उन्होंने छायावादी काव्य की विस्तृत समीक्षा करते हुए इस काव्यधारा को प्रतिष्ठित कराने में महत्वपूर्ण योगदान किया। उनके द्वारा रचित कुछ महत्वपूर्ण काव्य ग्रंथ हैं- आधुनिक साहित्य, नया साहित्य - नए प्रश्न, कवि निराला, प्रकीर्णिका तथा राष्ट्रीय साहित्य। वे काव्य में सौंदर्य विधायक तत्वों के उद्घाटन पर विशेष बल देते हैं। कथा साहित्य और नाटक की आलोचना वह इनके प्रभावकारी पक्ष को ध्यान में रखकर करते हैं। प्रसाद जी के नाटकों को वे स्वच्छंदतावादी तथा लक्ष्मीनारायण मिश्र के नाटकों को पुनरुत्थानवादी कहना उपयुक्त मानते हैं। वे मूलतः छायावादी एवं स्वच्छंदतावादी समीक्षक के रूप में हिन्दी समीक्षा में प्रतिष्ठित हुए हैं। दूसरी ओर हजारी प्रसाद द्विवेदी शुक्ल परंपरा के समीक्षक हैं, किंतु शुक्लजी की कई मान्यताओं से सहमत नहीं हैं। वे कबीर को एक उच्च कोटि का कवि और समाज सुधारक मानते हैं। कबीर की भाषा की शक्ति पर विचार करते हुए वे उन्हें 'वाणी का डिक्टेटर' कहते हैं। हिन्दी साहित्य की भूमिका, नाथ संप्रदाय, हिन्दी साहित्य, सूर साहित्य, कबीर आदि कृतियाँ उनके गंभीर चिंतन, मौलिक विवेचन को उजागर करती हैं। उनका दृष्टिकोण मानवतावादी अधिक है। मध्यकालीन धर्म साधना और तद्युगीन साहित्य का विश्लेषण करने में उन्हें विशेष सफलता प्राप्त हुई है।

SubQuestion No : 16

Q.16 निम्नलिखित में से कौन-सा शब्द 'आलोचना' का पर्यायवाची नहीं है?

- Ans
- ☒

1. कथोपकथन
- ☐

2. मीमांसा
- ☐

3. समीक्षा
- ☐

4. निरूपण

Question ID : 630680256121

Option 1 ID : 630680994419

Option 2 ID : 630680994422

Option 3 ID : 630680994420

Option 4 ID : 630680994421

Comprehension:

दिए गए गद्यांश को ध्यान से पढ़ें और प्रश्न के उत्तर दें।

हिन्दी समीक्षकों में आचार्य रामचंद्र शुक्ल जी के बाद जिस आलोचक का नाम बड़े आदर से लिया जाता है वह हैं आचार्य नंददुलारे वाजपेई। उन्होंने छायावादी काव्य की विस्तृत समीक्षा करते हुए इस काव्यधारा को प्रतिष्ठित कराने में महत्वपूर्ण योगदान किया। उनके द्वारा रचित कुछ महत्वपूर्ण काव्य ग्रंथ हैं- आधुनिक साहित्य, नया साहित्य - नए प्रश्न, कवि निराला, प्रकीर्णिका तथा राष्ट्रीय साहित्य। वे काव्य में सौंदर्य विधायक तत्वों के उद्घाटन पर विशेष बल देते हैं। कथा साहित्य और नाटक की आलोचना वह इनके प्रभावकारी पक्ष को ध्यान में रखकर करते हैं। प्रसाद जी के नाटकों को वे स्वच्छंदतावादी तथा लक्ष्मीनारायण मिश्र के नाटकों को पुनरुत्थानवादी कहना उपयुक्त मानते हैं। वे मूलतः छायावादी एवं स्वच्छंदतावादी समीक्षक के रूप में हिन्दी समीक्षा में प्रतिष्ठित हुए हैं। दूसरी ओर हजारी प्रसाद द्विवेदी शुक्ल परंपरा के समीक्षक हैं, किंतु शुक्लजी की कई मान्यताओं से सहमत नहीं हैं। वे कबीर को एक उच्च कोटि का कवि और समाज सुधारक मानते हैं। कबीर की भाषा की शक्ति पर विचार करते हुए वे उन्हें 'वाणी का डिक्टेटर' कहते हैं। हिन्दी साहित्य की भूमिका, नाथ संप्रदाय, हिन्दी साहित्य, सूर साहित्य, कबीर आदि कृतियाँ उनके गंभीर चिंतन, मौलिक विवेचन को उजागर करती हैं। उनका दृष्टिकोण मानवतावादी अधिक है। मध्यकालीन धर्म साधना और तद्युगीन साहित्य का विश्लेषण करने में उन्हें विशेष सफलता प्राप्त हुई है।

SubQuestion No : 17

Q.17 गद्यांश के अनुसार नन्ददुलारे वाजपेयी किस वर्ग के आलोचक हैं?

- Ans
- ☐

1. छायावाद के विरोधी
- ☒

2. छायावाद के समर्थक
- ☐

3. शुक्ल परंपरा के समीक्षक
- ☐

4. नयी कविता के समर्थक

Question ID : 630680256124

Option 1 ID : 630680994432

Option 2 ID : 630680994431

Option 3 ID : 630680994433

Option 4 ID : 630680994434

Comprehension:

दिए गए गद्यांश को ध्यान से पढ़ें और प्रश्न के उत्तर दें।

हिन्दी समीक्षकों में आचार्य रामचंद्र शुक्ल जी के बाद जिस आलोचक का नाम बड़े आदर से लिया जाता है वह हैं आचार्य नंददुलारे वाजपेई। उन्होंने छायावादी काव्य की विस्तृत समीक्षा करते हुए इस काव्यधारा को प्रतिष्ठित कराने में महत्वपूर्ण योगदान किया। उनके द्वारा रचित कुछ महत्वपूर्ण काव्य ग्रंथ हैं- आधुनिक साहित्य, नया साहित्य - नए प्रश्न, कवि निराला, प्रकीर्णिका तथा राष्ट्रीय साहित्य। वे काव्य में सौंदर्य विधायक तत्वों के उद्घाटन पर विशेष बल देते हैं। कथा साहित्य और नाटक की आलोचना वह इनके प्रभावकारी पक्ष को ध्यान में रखकर करते हैं। प्रसाद जी के नाटकों को वे स्वच्छंदतावादी तथा लक्ष्मीनारायण मिश्र के नाटकों को पुनरुत्थानवादी कहना उपयुक्त मानते हैं। वे मूलतः छायावादी एवं स्वच्छंदतावादी समीक्षक के रूप में हिन्दी समीक्षा में प्रतिष्ठित हुए हैं। दूसरी ओर हजारी प्रसाद द्विवेदी शुक्ल परंपरा के समीक्षक हैं, किंतु शुक्लजी की कई मान्यताओं से सहमत नहीं हैं। वे कबीर को एक उच्च कोटि का कवि और समाज सुधारक मानते हैं। कबीर की भाषा की शक्ति पर विचार करते हुए वे उन्हें 'वाणी का डिक्टेटर' कहते हैं। हिन्दी साहित्य की भूमिका, नाथ संप्रदाय, हिन्दी साहित्य, सूर साहित्य, कबीर आदि कृतियाँ उनके गंभीर चिंतन, मौलिक विवेचन को उजागर करती हैं। उनका दृष्टिकोण मानवतावादी अधिक है। मध्यकालीन धर्म साधना और तद्युगीन साहित्य का विश्लेषण करने में उन्हें विशेष सफलता प्राप्त हुई है।

SubQuestion No : 18

Q.18 उपर्युक्त गद्यांश के अनुसार कबीर को 'वाणी का डिक्टेटर' किसने कहा है?

- Ans
- ☒

1. हजारी प्रसाद द्विवेदी ने
- ☐

2. नन्ददुलारे वाजपेयी ने
- ☐

3. जयशंकर प्रसाद ने
- ☐

4. लक्ष्मीनारायण मिश्र ने

Question ID : 630680256122

Option 1 ID : 630680994425

Option 2 ID : 630680994423

Option 3 ID : 630680994426

Option 4 ID : 630680994424

Comprehension:

दिए गए गद्यांश को ध्यान से पढ़ें और प्रश्न के उत्तर दें।

हिन्दी समीक्षकों में आचार्य रामचंद्र शुक्ल जी के बाद जिस आलोचक का नाम बड़े आदर से लिया जाता है वह हैं आचार्य नंददुलारे वाजपेई। उन्होंने छायावादी काव्य की विस्तृत समीक्षा करते हुए इस काव्यधारा को प्रतिष्ठित कराने में महत्वपूर्ण योगदान किया। उनके द्वारा रचित कुछ महत्वपूर्ण काव्य ग्रंथ हैं- आधुनिक साहित्य, नया साहित्य - नए प्रश्न, कवि निराला, प्रकीर्णिका तथा राष्ट्रीय साहित्य। वे काव्य में सौंदर्य विधायक तत्वों के उद्घाटन पर विशेष बल देते हैं। कथा साहित्य और नाटक की आलोचना वह इनके प्रभावकारी पक्ष को ध्यान में रखकर करते हैं। प्रसाद जी के नाटकों को वे स्वच्छंदतावादी तथा लक्ष्मीनारायण मिश्र के नाटकों को पुनरुत्थानवादी कहना उपयुक्त मानते हैं। वे मूलतः छायावादी एवं स्वच्छंदतावादी समीक्षक के रूप में हिन्दी समीक्षा में प्रतिष्ठित हुए हैं। दूसरी ओर हजारी प्रसाद द्विवेदी शुक्ल परंपरा के समीक्षक हैं, किंतु शुक्लजी की कई मान्यताओं से सहमत नहीं हैं। वे कबीर को एक उच्च कोटि का कवि और समाज सुधारक मानते हैं। कबीर की भाषा की शक्ति पर विचार करते हुए वे उन्हें 'वाणी का डिक्टेटर' कहते हैं। हिन्दी साहित्य की भूमिका, नाथ संप्रदाय, हिन्दी साहित्य, सूर साहित्य, कबीर आदि कृतियाँ उनके गंभीर चिंतन, मौलिक विवेचन को उजागर करती हैं। उनका दृष्टिकोण मानवतावादी अधिक है। मध्यकालीन धर्म साधना और तद्युगीन साहित्य का विश्लेषण करने में उन्हें विशेष सफलता प्राप्त हुई है।

SubQuestion No : 19

Q.19 'उजागर' शब्द के अर्थ का चयन कीजिये।

- Ans
- ☐

1. उज्ज्वल
- ☐

2. ध्वस्त
- ☒

3. प्रकट
- ☐

4. तीव्र

Question ID : 630680256120

Option 1 ID : 630680994417

Option 2 ID : 630680994415

Option 3 ID : 630680994416

Option 4 ID : 630680994418

Comprehension:

दिए गए गद्यांश को ध्यान से पढ़ें और प्रश्न के उत्तर दें।

हिन्दी समीक्षकों में आचार्य रामचंद्र शुक्ल जी के बाद जिस आलोचक का नाम बड़े आदर से लिया जाता है वह हैं आचार्य नन्ददुलारे वाजपेई। उन्होंने छायावादी काव्य की विस्तृत समीक्षा करते हुए इस काव्यधारा को प्रतिष्ठित कराने में महत्वपूर्ण योगदान किया। उनके द्वारा रचित कुछ महत्वपूर्ण काव्य ग्रंथ हैं- आधुनिक साहित्य, नया साहित्य - नए प्रश्न, कवि निराला, प्रकीर्णिका तथा राष्ट्रीय साहित्य। वे काव्य में सौंदर्य विधायक तत्वों के उद्घाटन पर विशेष बल देते हैं। कथा साहित्य और नाटक की आलोचना वह इनके प्रभावकारी पक्ष को ध्यान में रखकर करते हैं। प्रसाद जी के नाटकों को वे स्वच्छंदतावादी तथा लक्ष्मीनारायण मिश्र के नाटकों को पुनरुत्थानवादी कहना उपयुक्त मानते हैं। वे मूलतः छायावादी एवं स्वच्छंदतावादी समीक्षक के रूप में हिन्दी समीक्षा में प्रतिष्ठित हुए हैं। दूसरी ओर हजारी प्रसाद द्विवेदी शुक्ल परंपरा के समीक्षक हैं, किंतु शुक्लजी की कई मान्यताओं से सहमत नहीं हैं। वे कबीर को एक उच्च कोटि का कवि और समाज सुधारक मानते हैं। कबीर की भाषा की शक्ति पर विचार करते हुए वे उन्हें 'वाणी का डिक्टेटर' कहते हैं। हिन्दी साहित्य की भूमिका, नाथ संप्रदाय, हिन्दी साहित्य, सूर साहित्य, कबीर आदि कृतियाँ उनके गंभीर चिंतन, मौलिक विवेचन को उजागर करती हैं। उनका दृष्टिकोण मानवतावादी अधिक है। मध्यकालीन धर्म साधना और तद्युगीन साहित्य का विश्लेषण करने में उन्हें विशेष सफलता प्राप्त हुई है।

SubQuestion No : 20

Q.20 उपर्युक्त गद्यांश के लिए उचित शीर्षक का चयन करें।

- Ans
- ✗ 1. नन्ददुलारे वाजपेयी की समीक्षा पद्धति
 - ✗ 2. छायावादी आलोचक
 - ✗ 3. हजारी प्रसाद द्विवेदी की समीक्षा पद्धति
 - ✓ 4. शुक्ल परवर्ती हिन्दी आलोचना

Question ID : 630680256123
Option 1 ID : 630680994427
Option 2 ID : 630680994429
Option 3 ID : 630680994428
Option 4 ID : 630680994430

Section : Discipline1

Q.1 _____ does NOT have any child ClassLoaders.

- Ans
- ✗ 1. BootStrap ClassLoader
 - ✗ 2. Extension ClassLoader
 - ✗ 3. Primordial ClassLoader
 - ✓ 4. System ClassLoader

Question ID : 630680256170
Option 1 ID : 630680994615
Option 2 ID : 630680994616
Option 3 ID : 630680994618
Option 4 ID : 630680994617

Q.2 The lowest cost solution to developing a KM system is:

- Ans
- ✓ 1. in-house development
 - ✗ 2. outsourcing
 - ✗ 3. development by end users
 - ✗ 4. off-the shelf solution

Question ID : 630680256206
Option 1 ID : 630680994762
Option 2 ID : 630680994759
Option 3 ID : 630680994760
Option 4 ID : 630680994761

Q.3 _____ is a set of interrelated components that collect (or retrieve), process, store and distribute information to support decision-making and control in an organisation.

- Ans
- ✗ 1. An information technology
 - ✗ 2. Mini model of a processed system
 - ✗ 3. Max model of a processed system
 - ✓ 4. An information system

Question ID : 630680256195
Option 1 ID : 630680994716
Option 2 ID : 630680994717
Option 3 ID : 630680994718
Option 4 ID : 630680994715

Q.4 Which of the following services is NOT provided by the operating system?

- Ans
- ✗ 1. Resource management
 - ✗ 2. Inter process for communication
 - ✓ 3. Translate source into machine code
 - ✗ 4. Program execution

Question ID : 630680256174
Option 1 ID : 630680994633
Option 2 ID : 630680994631
Option 3 ID : 630680994632
Option 4 ID : 630680994634

Q.5 How to write the dot net server control?

Ans ☒ 1.

`<asp:controlType ID="ControlID" runin="server" Property1=value1 [Property2=value2] />`

☒ 2.

`<asp:controlType ID="ControlID" runas="server" Property1=value1 [Property2=value2] />`

☒ 3.

`<asp:controlType ID="ControlID" run="server" Property1=value1 [Property2=value2] />`

☒ 4.

`<asp:controlType ID="ControlID" runat="server" Property1=value1 [Property2=value2] />`

Question ID : 630680256184

Option 1 ID : 630680994674

Option 2 ID : 630680994671

Option 3 ID : 630680994673

Option 4 ID : 630680994672

Q.6 Which of the following is NOT a type of computer architecture?

Ans ☒ 1. Micro Architecture

☒ 2. Harvard Architecture

☒ 3. Software Architecture

☒ 4. Instruction Set Architecture

Question ID : 630680256154

Option 1 ID : 630680994551

Option 2 ID : 630680994552

Option 3 ID : 630680994554

Option 4 ID : 630680994553

Q.7 A network on the internet has a subnet mask of 255.255.240.0. What is the maximum number of hosts it can handle?

Ans ☒ 1. 1024

☒ 2. 3072

☒ 3. 2048

☒ 4. 4094

Question ID : 630680256153

Option 1 ID : 630680994547

Option 2 ID : 630680994549

Option 3 ID : 630680994548

Option 4 ID : 630680994550

Q.8 Which of the following statements is true?

Ans ☒ 1.

Circuit setup is not required in both a datagram network and virtual-circuit network.

☒ 2.

Circuit setup is required in both a datagram network and virtual-circuit network.

☒ 3. Circuit setup is required in a virtual-circuit network.

☒ 4. Circuit setup is required in a datagram network.

Question ID : 630680256152

Option 1 ID : 630680994546

Option 2 ID : 630680994545

Option 3 ID : 630680994544

Option 4 ID : 630680994543

Q.9 Which of the following is NOT a risk management methodology?

Ans ☒ 1. Acceptance of threats

☒ 2. Risk generation

☒ 3. Avoidance of threats

☒ 4. Transfer of risks

Question ID : 630680256189

Option 1 ID : 630680994694

Option 2 ID : 630680994693

Option 3 ID : 630680994691

Option 4 ID : 630680994692

Q.10 The decimal equivalent of the binary number 111111 is:

Ans ☒ 1. 46

☒ 2. 63

☒ 3. 52

☒ 4. 36

Question ID : 630680256139

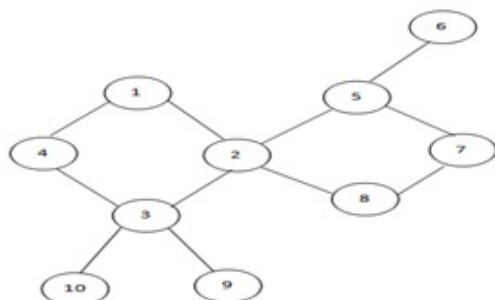
Option 1 ID : 630680994492

Option 2 ID : 630680994494

Option 3 ID : 630680994493

Option 4 ID : 630680994491

Q.11



What are the articulation points in the above graph?

- Ans
- ☒ 1. 1, 2 and 3
 - ☒ 2. 2, 3 and 4
 - ☒ 3. 3, 4 and 5
 - ☒ 4. 2, 3 and 5

Question ID : 630680256193
Option 1 ID : 630680994707
Option 2 ID : 630680994708
Option 3 ID : 630680994710
Option 4 ID : 630680994709

Q.12 DSS is a computer program application used to improve a company's _____ capabilities.

- Ans
- ☒ 1. decision-making capabilities
 - ☒ 2. marketing capabilities
 - ☒ 3. delegation capabilities
 - ☒ 4. resources utilisation capabilities

Question ID : 630680256196
Option 1 ID : 630680994720
Option 2 ID : 630680994721
Option 3 ID : 630680994722
Option 4 ID : 630680994719

Q.13 _____ is a code that consists of CPU and platform-independent set of instructions, which can be easily converted to the native code.

- Ans
- ☒ 1. DLL
 - ☒ 2. FCL
 - ☒ 3. JIT
 - ☒ 4. MSIL

Question ID : 630680256182
Option 1 ID : 630680994665
Option 2 ID : 630680994664
Option 3 ID : 630680994663
Option 4 ID : 630680994666

Q.14 CMM stands for:

- Ans
- ☐ 1. Cognitive Modularity Model
 - ☐ 2. Capability Modularity Model
 - ☐ 3. Cognitive Measurable Model
 - ☒ 4. Capability Maturity Model

Question ID : 630680256168
Option 1 ID : 630680994609
Option 2 ID : 630680994607
Option 3 ID : 630680994610
Option 4 ID : 630680994608

Q.15 Marginal revenue is calculated by _____.

- Ans
- ☐ 1. dividing the change in total output quantity by the change in total revenue
 - ☐ 2. dividing the change in total cost by the change in total output quantity
 - ☒ 3. dividing the change in total revenue by the change in total output quantity
 - ☐ 4. dividing the change in total revenue by the change in total profit

Question ID : 630680256179
Option 1 ID : 630680994652
Option 2 ID : 630680994653
Option 3 ID : 630680994651
Option 4 ID : 630680994654

Q.16 Which of the following statements is FALSE?

- Ans
- ☒ 1. Burst Time: Time required by a process to start its execution
 - ☐ 2. Turn Around Time: Time difference between the completion time and arrival time
 - ☐ 3. Completion Time: Time at which a process completes its execution
 - ☐ 4. Arrival Time: Time at which a process arrives in the ready queue

Question ID : 630680256175
Option 1 ID : 630680994636
Option 2 ID : 630680994638
Option 3 ID : 630680994637
Option 4 ID : 630680994635

Q.17 In C++ language, the instruction 'ignore(x,y);' _____ .

- Ans
- ☐ 1. skips the last x characters and stops if character y is encountered
 - ☐ 2. skips the first y characters and stops if character x is encountered
 - ☒ 3. skips the first x characters and stops if character y is encountered
 - ☐ 4. skips the last y characters and stops if character x is encountered

Question ID : 630680256138
Option 1 ID : 630680994490
Option 2 ID : 630680994487
Option 3 ID : 630680994488
Option 4 ID : 630680994489

Q.18 Page fault means:

- Ans
- ☒ 1. accessing the page that is not currently in the memory
 - ☐ 2. removing the page whenever it is needed
 - ☐ 3. fetching the page whenever it is needed
 - ☐ 4. an error that always occurs in the page

Question ID : 630680256176
Option 1 ID : 630680994641
Option 2 ID : 630680994639
Option 3 ID : 630680994642
Option 4 ID : 630680994640

Q.19 Any account or goods used by the owner of the business for his personal use is called as:

- Ans
- ☐ 1. sales
 - ☒ 2. drawings
 - ☐ 3. general expenses
 - ☐ 4. expenses

Question ID : 630680256165
Option 1 ID : 630680994598
Option 2 ID : 630680994597
Option 3 ID : 630680994596
Option 4 ID : 630680994595

Q.20 Which of the following parameters is used to create a hyperlink in HTML?

- Ans
- ☐ 1. Link
 - ☐ 2. url
 - ☐ 3. Path
 - ☒ 4. Href

Question ID : 630680256173
Option 1 ID : 630680994628
Option 2 ID : 630680994629
Option 3 ID : 630680994630
Option 4 ID : 630680994627

Section : Discipline2

Q.1 Select the true statement about try-catch blocks.

- Ans
- ☐ 1. A try block must have at least 1 catch to have a finally block.
 - ☐ 2. A try block must have only 1 finally block for each catch block.
 - ☒ 3. A try block can have many catches but only 1 finally block.
 - ☐ 4. A try block can have many catches and many finally blocks.

Question ID : 630680256136
Option 1 ID : 630680994481
Option 2 ID : 630680994482
Option 3 ID : 630680994480
Option 4 ID : 630680994479

Q.2 A four-way set-associative cache memory unit with a capacity of 32 KB is built using a block size of 1 K. The word length is 8 bits. The size of physical address space is 32 GB. The number of bits for the TAG field is:

- Ans
- ☒ 1. 22
 - ☐ 2. 24
 - ☐ 3. 25
 - ☐ 4. 23

Question ID : 630680256156
Option 1 ID : 630680994559
Option 2 ID : 630680994561
Option 3 ID : 630680994562
Option 4 ID : 630680994560

Q.3 Which of the following statements is true?

- Ans ☒ 1.
POST is the process performed by BIOS immediately after the system is shutdown.
- ☒ 2. The bootstrap program is stored in RAM.
- ☒ 3.
CMOS chip is powered by the battery located in the mother board.
- ☒ 4. BIOS was developed by Charles Babbage.

Question ID : 630680256133
Option 1 ID : 630680994470
Option 2 ID : 630680994467
Option 3 ID : 630680994468
Option 4 ID : 630680994469

Q.4 A body of mass 4.9 kg hangs from a spring and oscillates with a period of 0.6 sec. How much will the spring shorten when the body is removed?

- Ans ☒ 1. 0.809 metre
- ☒ 2. 1.089 metre
- ☒ 3. 1.009 metre
- ☒ 4. 0.089 metre

Question ID : 630680256142
Option 1 ID : 630680994506
Option 2 ID : 630680994504
Option 3 ID : 630680994505
Option 4 ID : 630680994503

Q.5 Which of the following statements is NOT true?

- Ans ☒ 1.
etc: It contains other additional commands that are related to system maintenance and administration.
- ☒ 2.
usr: It contains temporary files created by Linux or other users.
- ☒ 3. bin: It contains executable files for the UNIX commands.
- ☒ 4.
dev: It contains device drivers that control various peripherals that are connected with the system.

Question ID : 630680256186
Option 1 ID : 630680994680
Option 2 ID : 630680994682
Option 3 ID : 630680994679
Option 4 ID : 630680994681

Q.6 Elasticity of demand explains the _____ of the correlation between price and quantity.

Ans ☒ 1. level, degree and angle

☒ 2. angle

☒ 3. level

☒ 4. degree

Question ID : 630680256178

Option 1 ID : 630680994650

Option 2 ID : 630680994649

Option 3 ID : 630680994647

Option 4 ID : 630680994648

Q.7 'FORTRAN' stands for _____.

Ans ☒ 1. Format Translation

☒ 2. Format Transfer

☒ 3. Formula Translation

☒ 4. Formula Transfer

Question ID : 630680256209

Option 1 ID : 630680994773

Option 2 ID : 630680994771

Option 3 ID : 630680994774

Option 4 ID : 630680994772

Q.8 In a path-graph having 'n' vertices, where 'n' > 2, _____ is the number of vertices with degree 2.

Ans ☒ 1. 3

☒ 2. $n - 2$

☒ 3. 2

☒ 4. 0

Question ID : 630680256137

Option 1 ID : 630680994483

Option 2 ID : 630680994485

Option 3 ID : 630680994484

Option 4 ID : 630680994486

Q.9 Which of the following is NOT a type of business?

- Ans
- ☒ 1. Experience driven
 - ☒ 2. Expense driven
 - ☒ 3. Efficiency driven
 - ☒ 4. Expert driven

Question ID : 630680256207
Option 1 ID : 630680994764
Option 2 ID : 630680994765
Option 3 ID : 630680994766
Option 4 ID : 630680994763

Q.10 The algebraic sum of deviations is zero when measured from the _____.

- Ans
- ☒ 1. second quartile
 - ☒ 2. geometric mean
 - ☒ 3. arithmetic mean
 - ☒ 4. harmonic mean

Question ID : 630680256128
Option 1 ID : 630680994448
Option 2 ID : 630680994450
Option 3 ID : 630680994447
Option 4 ID : 630680994449

Q.11 Which of the following is NOT the application of Divide and Conquer?

- Ans
- ☒ 1. Binary Search
 - ☒ 2. All Pairs Shortest Path Problem
 - ☒ 3. Quick Sort
 - ☒ 4. Strassen's Matrix Multiplication

Question ID : 630680256192
Option 1 ID : 630680994703
Option 2 ID : 630680994705
Option 3 ID : 630680994704
Option 4 ID : 630680994706

Q.12 The volume of the tetrahedron bounded by the surfaces $x = 0$, $y = 0$, $z = 0$ and $\frac{x}{a} + \frac{y}{b} + \frac{z}{c} = 1$ is:

Ans

✗ 1. $\frac{abc}{4}$

✗ 2. $\frac{abc}{2}$

✗ 3. $\frac{abc}{10}$

✓ 4. $\frac{abc}{6}$

Question ID : 630680256127

Option 1 ID : 630680994444

Option 2 ID : 630680994443

Option 3 ID : 630680994446

Option 4 ID : 630680994445

Q.13 Which of the following opens the linked document in the windows full body among the target values?

Ans

✗ 1. `_self`

✓ 2. `_top`

✗ 3. `_blank`

✗ 4. `_parent`

Question ID : 630680256172

Option 1 ID : 630680994623

Option 2 ID : 630680994626

Option 3 ID : 630680994624

Option 4 ID : 630680994625

Q.14 Which of the following is a conflict serializable schedule?

S1: R1(A); R1(B); R2(A); R2(B); W2(B); W1(A)

S2: R1(A); R2(A); R2(B); W2(B); R1(B); W1(A)

Ans

✗ 1. S1 is conflict serializable but S2 is not.

✓ 2. S1 is not conflict serializable but S2 is conflict serializable.

✗ 3. Both are not conflict serializable.

✗ 4. Both are conflict serializable.

Question ID : 630680256151

Option 1 ID : 630680994539

Option 2 ID : 630680994542

Option 3 ID : 630680994541

Option 4 ID : 630680994540

Q.15 Which of the following is the syntax to write an external CSS?

- Ans
- ☒ 1. `<style rel="stylesheet" type="text/css" href="style.css">`
 - ☒ 2. `<style> href="style.css" </style>`
 - ☒ 3. `<link rel="stylesheet" type="text/css" href="style.css">`
 - ☒ 4. `<a href="style.css" rel="stylesheet" type="text/css" >`

Question ID : 630680256201
Option 1 ID : 630680994742
Option 2 ID : 630680994741
Option 3 ID : 630680994739
Option 4 ID : 630680994740

Q.16 Which of the following methods is used to slide down an element?

- Ans
- ☒ 1. `slideDown()`
 - ☒ 2. `moveBelow()`
 - ☒ 3. `moveDown()`
 - ☒ 4. `slideBelow()`

Question ID : 630680256161
Option 1 ID : 630680994579
Option 2 ID : 630680994582
Option 3 ID : 630680994581
Option 4 ID : 630680994580

Q.17 Which of the following is a clipping algorithm?

- Ans
- ☒ 1. Simple DDA
 - ☒ 2. Liang Barsky's algorithm
 - ☒ 3. Bresenham's algorithm
 - ☒ 4. Mid-point Algorithm

Question ID : 630680256199
Option 1 ID : 630680994733
Option 2 ID : 630680994732
Option 3 ID : 630680994731
Option 4 ID : 630680994734

Q.18 According to the double entry system, every transaction will have _____ entries.

- Ans
- ✗ 1. Right and Left
 - ✗ 2. Up and Down
 - ✓ 3. Debt and Credit
 - ✗ 4. Up and Left

Question ID : 630680256163
Option 1 ID : 630680994587
Option 2 ID : 630680994588
Option 3 ID : 630680994589
Option 4 ID : 630680994590

Q.19 Which of the following is a default permission for the text file in Linux?

- Ans
- ✗ 1. rwx r- - r- -
 - ✓ 2. rw- r- - r- -
 - ✗ 3. rwx rwx rwx
 - ✗ 4. rwx - - - - -

Question ID : 630680256185
Option 1 ID : 630680994675
Option 2 ID : 630680994677
Option 3 ID : 630680994676
Option 4 ID : 630680994678

Q.20 Which of the following statements is true about Home Location Register (HLR) and Visitor Location Register (VLR)?

- Ans
- ✗ 1.
VLR is not responsible for the MS (Mobile Station) to inform the MLR about location changes.
 - ✗ 2.
VLR is not responsible for the MS (Mobile Station) to inform the HLR about location changes.
 - ✓ 3.
VLR is responsible for the MS (Mobile Station) to inform the HLR about location changes.
 - ✗ 4.
HLR is responsible for the MS (Mobile Station) to inform the VLR about location changes.

Question ID : 630680256198
Option 1 ID : 630680994730
Option 2 ID : 630680994728
Option 3 ID : 630680994727
Option 4 ID : 630680994729

Q.1 An LED emits green light of wavelength $\lambda = 5511.11 \text{ \AA}$. Find the value of E_g .

- Ans
- ☒ 1. 1.25 eV
 - ☒ 2. 2.25 eV
 - ☒ 3. 3.606 eV
 - ☒ 4. 36.06 eV

Question ID : 630680256143

Option 1 ID : 630680994507

Option 2 ID : 630680994508

Option 3 ID : 630680994509

Option 4 ID : 630680994510

Q.2 Which of the following is NOT true about the Waterfall model?

- Ans
- ☒ 1. Long duration
 - ☒ 2. High cost
 - ☒ 3. High-risk involvement
 - ☒ 4. Low cost

Question ID : 630680256169

Option 1 ID : 630680994612

Option 2 ID : 630680994614

Option 3 ID : 630680994613

Option 4 ID : 630680994611

Q.3 Which of the following is the easiest to be transformed into a computer program?

- Ans
- ☒ 1. Pseudo-code
 - ☒ 2. Algorithm
 - ☒ 3. Flowchart
 - ☒ 4. None of the above

Question ID : 630680256210

Option 1 ID : 630680994777

Option 2 ID : 630680994775

Option 3 ID : 630680994776

Option 4 ID : 630680994778

Q.4 Arrange the following in the order of growth.

$O(n)$, $O(n^2)$, $O(2^n)$, $O(\log n)$, $O(n \log n)$, $O(n^2 \log n)$

- Ans
- ☒ 1. $O(n)$, $O(n^2)$, $O(\log n)$, $O(2^n)$, $O(n \log n)$, $O(n^2 \log n)$
 - ☒ 2. $O(n)$, $O(2^n)$, $O(2^n)$, $O(\log n)$, $O(n^2 \log n)$, $O(n \log n)$
 - ☒ 3. $O(\log n)$, $O(n)$, $O(n \log n)$, $O(n^2)$, $O(n^2 \log n)$, $O(2^n)$
 - ☒ 4. $O(n^2)$, $O(n)$, $O(2^n)$, $O(\log n)$, $O(n \log n)$, $O(n^2 \log n)$

Question ID : 630680256191
Option 1 ID : 630680994701
Option 2 ID : 630680994700
Option 3 ID : 630680994702
Option 4 ID : 630680994699

Q.5 How to change all images to black and white (100% grey)?

- Ans
- ☒ 1. `img { filter: graycolor(100%); }`
 - ☒ 2. `img { filter: grayscale(100%); }`
 - ☒ 3. `img { graycolor(100%); }`
 - ☒ 4. `img { filter: "grayscale(100%)"; }`

Question ID : 630680256202
Option 1 ID : 630680994746
Option 2 ID : 630680994743
Option 3 ID : 630680994744
Option 4 ID : 630680994745

Q.6 Grep command is used to:

- Ans
- ☒ 1. change the case of alphabets
 - ☒ 2. search for a specific pattern from a specified file and display those lines containing the pattern
 - ☒ 3. cut the columns/fields of a specified file
 - ☒ 4. redirect the output of one command to another command

Question ID : 630680256188
Option 1 ID : 630680994688
Option 2 ID : 630680994689
Option 3 ID : 630680994690
Option 4 ID : 630680994687

Q.7 Which of the following is NOT an XML Parser?

- Ans
- ✓ 1. Shell
 - ✗ 2. JDOM
 - ✗ 3. DOM
 - ✗ 4. SAX

Question ID : 630680256203

Option 1 ID : 630680994750

Option 2 ID : 630680994749

Option 3 ID : 630680994747

Option 4 ID : 630680994748

Q.8 Which of these is NOT a parameter upon which the influence of lightning is based?

- Ans
- ✗ 1. Light Source
 - ✗ 2. Position of Observer
 - ✓ 3. Rendering Algorithm
 - ✗ 4. Surface

Question ID : 630680256200

Option 1 ID : 630680994735

Option 2 ID : 630680994738

Option 3 ID : 630680994736

Option 4 ID : 630680994737

Q.9 Which of the following statements is NOT true?

- Ans
- ✗ 1. 5 kilobytes is equal to 10,240 half bytes
 - ✗ 2. 3 kilobytes is equal to 24,576 bits
 - ✓ 3. 4 kilobytes is equal to 4069 bytes
 - ✗ 4. 2 kilobytes is equal to 4096 nibbles

Question ID : 630680256132

Option 1 ID : 630680994466

Option 2 ID : 630680994464

Option 3 ID : 630680994465

Option 4 ID : 630680994463

Q.10 What is the value of $\Delta^n e^{ax+b}$?

- Ans
- ☐ 1. $(e^{ah} - 1)^n e^{ax-b}$
 - ☒ 2. $(e^{ah} - 1)^n e^{ax+b}$
 - ☐ 3. $(e^{ah} + 1)^n e^{ax-b}$
 - ☐ 4. $(e^{ah} + 1)^n e^{ax+b}$

Question ID : 630680256212

Option 1 ID : 630680994784

Option 2 ID : 630680994783

Option 3 ID : 630680994786

Option 4 ID : 630680994785

Q.11 A Mod-6 counter and a Mod-8 counter in cascade give a _____ counter.

- Ans
- ☐ 1. Mod-14
 - ☐ 2. Mod-68
 - ☐ 3. Mod-2
 - ☒ 4. Mod-48

Question ID : 630680256147

Option 1 ID : 630680994524

Option 2 ID : 630680994526

Option 3 ID : 630680994523

Option 4 ID : 630680994525

Q.12 A three-variable function $(A \oplus B \oplus C)' = ?$

- Ans
- ☐ 1. $(A \odot B \odot C)'$
 - ☐ 2. $A \oplus B \odot C'$
 - ☐ 3. $A \odot B \oplus C$
 - ☒ 4. $A \oplus B \odot C$

Question ID : 630680256146

Option 1 ID : 630680994520

Option 2 ID : 630680994521

Option 3 ID : 630680994522

Option 4 ID : 630680994519

Q.13 How to write the external DTD?

- Ans
- ☐ 1. `<!DOCTYPE SYSTEM "file-name">`
 - ☐ 2. `<!DOCTYPE element ROOT "file-name">`
 - ☐ 3. `<!DOCTYPE SYSTEM "file-name" root-element>`
 - ☒ 4. `<!DOCTYPE root-element SYSTEM "file-name">`

Question ID : 630680256204
Option 1 ID : 630680994754
Option 2 ID : 630680994753
Option 3 ID : 630680994752
Option 4 ID : 630680994751

Q.14 Consider the relation R (PQRSTU) with the set of functional dependencies $F = \{P \rightarrow RT, Q \rightarrow S, R \rightarrow PS, QS \rightarrow TU\}$. Find the closures of PQ.

- Ans
- ☐ 1. PQRST
 - ☐ 2. PQRTU
 - ☐ 3. PQRSU
 - ☒ 4. PQRSTU

Question ID : 630680256149
Option 1 ID : 630680994532
Option 2 ID : 630680994531
Option 3 ID : 630680994534
Option 4 ID : 630680994533

Q.15 The values of x are 1, 3, 4 and those of f(x) are 1, 27, 64. What is the polynomial equation by using the Lagrange interpolation formula?

- Ans
- ☒ 1. $8x^2 - 19x + 12$
 - ☐ 2. $8x^2 + 9x + 12$
 - ☐ 3. $8x^2 - 9x + 12$
 - ☐ 4. $8x^2 + 9x + 12$

Question ID : 630680256213
Option 1 ID : 630680994788
Option 2 ID : 630680994790
Option 3 ID : 630680994789
Option 4 ID : 630680994787

Q.16 If two dice are thrown, find the probability that the sum is neither 5 nor 9?

Ans

✗ 1. $\frac{3}{9}$

✗ 2. $\frac{5}{9}$

✗ 3. $\frac{1}{9}$

✓ 4. $\frac{7}{9}$

Question ID : 630680256129

Option 1 ID : 630680994453

Option 2 ID : 630680994452

Option 3 ID : 630680994454

Option 4 ID : 630680994451

Q.17 The general solution of $\frac{dy}{dx} = e^{x+y}$ is:

✗ 1. $e^{-x} - e^{-y} = c$

✗ 2. $e^{-x} + e^y = c$

✓ 3. $e^x + e^{-y} = c$

✗ 4. $e^{-x} + e^y = c$

Question ID : 630680256125

Option 1 ID : 630680994438

Option 2 ID : 630680994437

Option 3 ID : 630680994436

Option 4 ID : 630680994435

Q.18 What feature of the transport layer prevents data loss?

✗ 1. Encryption

✗ 2. Packet switching

✗ 3. Addressing

✓ 4. Flow control

Question ID : 630680256159

Option 1 ID : 630680994571

Option 2 ID : 630680994573

Option 3 ID : 630680994574

Option 4 ID : 630680994572

Q.19 Descriptive attributes are used to:

- Ans
- ☒ 1. record the information about relationships
 - ☐ 2. record the information about attributes
 - ☐ 3. record the information about participating entities
 - ☐ 4. record the information about data

Question ID : 630680256150
Option 1 ID : 630680994536
Option 2 ID : 630680994537
Option 3 ID : 630680994535
Option 4 ID : 630680994538

Q.20 Which of the following statements is FALSE about TCP (Transmission control protocol)?

- Ans
- ☐ 1. It uses a three-way handshake to establish a connection.
 - ☐ 2. It receives data from application as a single stream.
 - ☐ 3. It is a connection-oriented protocol.
 - ☒ 4. It is a connection-less protocol.

Question ID : 630680256158
Option 1 ID : 630680994568
Option 2 ID : 630680994569
Option 3 ID : 630680994567
Option 4 ID : 630680994570

Section : Discipline4

Q.1 Which of the following is FALSE about packages?

- Ans
- ☒ 1. Packages cannot provide controlled access.
 - ☐ 2. Packages are used to prevent naming conflicts.
 - ☐ 3. Packages are considered data encapsulation.
 - ☐ 4. Packages are used to prevent naming conflicts, and packages are considered data encapsulation.

Question ID : 630680256166
Option 1 ID : 630680994600
Option 2 ID : 630680994599
Option 3 ID : 630680994601
Option 4 ID : 630680994602

Q.2 Which of the following statements is true about slow start phase of the TCP congestion control?

Ans ☒ 1.

Congestion window increases by 1 Maximum Segment Size every round trip time.

☒ 2.

Congestion window approximately doubles every round trip time.

☒ 3.

Congestion window increases by 2 Maximum Segment Size on every successful acknowledgement.

☒ 4.

Congestion window approximately doubles on every successful acknowledgement.

Question ID : 630680256160

Option 1 ID : 630680994575

Option 2 ID : 630680994577

Option 3 ID : 630680994576

Option 4 ID : 630680994578

Q.3 Which of the following is NOT the purpose of knowledge management system?

Ans ☒ 1. Driving strategy

☒ 2. Integration

☒ 3. Sharing of knowledge

☒ 4. Portability

Question ID : 630680256208

Option 1 ID : 630680994769

Option 2 ID : 630680994768

Option 3 ID : 630680994767

Option 4 ID : 630680994770

Q.4 Which of the following is NOT true about software?

Ans ☒ 1. System software is written in a high-level language.

☒ 2. Application software is written in a high-level language.

☒ 3.

System software plays a vital role for the effective functioning of a system.

☒ 4. System software is written in a low-level language.

Question ID : 630680256135

Option 1 ID : 630680994478

Option 2 ID : 630680994477

Option 3 ID : 630680994475

Option 4 ID : 630680994476

Q.5 Which of the following is NOT a shell in Linux?

- Ans
- ☒ 1. C shell
 - ☒ 2. Korn shell
 - ☒ 3. Bourne shell
 - ☒ 4. Alpha cell

Question ID : 630680256187
Option 1 ID : 630680994686
Option 2 ID : 630680994685
Option 3 ID : 630680994683
Option 4 ID : 630680994684

Q.6 Which of the following is an example of the fifth-generation language?

- Ans
- ☒ 1. Java
 - ☒ 2. Cobol
 - ☒ 3. Prolog
 - ☒ 4. Python

Question ID : 630680256140
Option 1 ID : 630680994495
Option 2 ID : 630680994498
Option 3 ID : 630680994496
Option 4 ID : 630680994497

Q.7 Which of the following is NOT a phase of the RAD model?

- Ans
- ☒ 1. Development modelling
 - ☒ 2. Business modelling
 - ☒ 3. Process modelling
 - ☒ 4. Data modelling

Question ID : 630680256167
Option 1 ID : 630680994606
Option 2 ID : 630680994603
Option 3 ID : 630680994605
Option 4 ID : 630680994604

Q.8 If $u = \tan^{-1}\left(\frac{y}{x}\right)$, then $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} = ?$

- Ans
- ☐ 1. $\sin 2u$
 - ☒ 2. 0
 - ☐ 3. None of the given options
 - ☐ 4. $\cos 2u$

Question ID : 630680256126
Option 1 ID : 630680994440
Option 2 ID : 630680994439
Option 3 ID : 630680994442
Option 4 ID : 630680994441

Q.9 Which of the following inflations describes how demand for goods and services can drive up their prices?

- Ans
- ☐ 1. Cost-push inflation
 - ☐ 2. Built-in Inflation
 - ☒ 3. Demand-pull inflation
 - ☐ 4. Demand-push inflation

Question ID : 630680256180
Option 1 ID : 630680994657
Option 2 ID : 630680994656
Option 3 ID : 630680994658
Option 4 ID : 630680994655

Q.10 Program links with other parts of the program in a flowchart are represented by _____.

- Ans
- ☐ 1. rectangles
 - ☒ 2. circles
 - ☐ 3. trapezoids
 - ☐ 4. rhombuses

Question ID : 630680256211
Option 1 ID : 630680994780
Option 2 ID : 630680994781
Option 3 ID : 630680994782
Option 4 ID : 630680994779

Q.11 _____ is the process of visiting different web sites on the internet hosted by various companies, organisations, educational institutions, magazines, individuals, etc.

- Ans
- ☒ 1. Webbing
 - ☒ 2. Searching
 - ☒ 3. Chatting
 - ☒ 4. Web surfing

Question ID : 630680256141
Option 1 ID : 630680994502
Option 2 ID : 630680994501
Option 3 ID : 630680994499
Option 4 ID : 630680994500

Q.12 The part of the firm's capital that is required for conducting day to day expenses is called:

- Ans
- ☒ 1. working capital
 - ☒ 2. asset
 - ☒ 3. expenses
 - ☒ 4. fixed capital

Question ID : 630680256164
Option 1 ID : 630680994594
Option 2 ID : 630680994591
Option 3 ID : 630680994593
Option 4 ID : 630680994592

Q.13 Who is the father of e-commerce in India?

- Ans
- ☒ 1. Bryan Eisenberg
 - ☒ 2. Michael Aldrich
 - ☒ 3. K Vaitheeswaran
 - ☒ 4. Tim Ferris

Question ID : 630680256190
Option 1 ID : 630680994698
Option 2 ID : 630680994695
Option 3 ID : 630680994696
Option 4 ID : 630680994697

Q.14 The advantage of SSTF (Shortest Seek Time First) is:

- Ans ☒ 1. high variance of response time as SSTF favours only some requests
- ☒ 2. overhead to calculate seek time in advance
- ☒ 3. average response time decreases
- ☒ 4. throughput decreases

Question ID : 630680256177
Option 1 ID : 630680994644
Option 2 ID : 630680994643
Option 3 ID : 630680994645
Option 4 ID : 630680994646

Q.15 Which of the following is an addressing mode used in an instruction of the form ADD R1, [R2]?

- Ans ☒ 1. Register Indirect
- ☒ 2. Register
- ☒ 3. Indexed Register
- ☒ 4. Assembly Register

Question ID : 630680256155
Option 1 ID : 630680994555
Option 2 ID : 630680994556
Option 3 ID : 630680994557
Option 4 ID : 630680994558

Q.16 What is the output of the following code?

```
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
```

- Ans ☒ 1. I
- ☒ 2. Compiler Error
- ☒ 3. Throws Exception
- ☒ 4. 24I

Question ID : 630680256171
Option 1 ID : 630680994621
Option 2 ID : 630680994619
Option 3 ID : 630680994620
Option 4 ID : 630680994622

Q.17 An organisation structure establishes relationships between:

- Ans
- ☒ 1. people, work and resources
 - ☐ 2. organisations and environment
 - ☐ 3. suppliers and customers
 - ☐ 4. organisations and society

Question ID : 630680256131
Option 1 ID : 630680994460
Option 2 ID : 630680994459
Option 3 ID : 630680994462
Option 4 ID : 630680994461

Q.18 Which of the following is NOT a symmetric-key cryptographic algorithm?

- Ans
- ☐ 1. AES
 - ☐ 2. RC4
 - ☒ 3. RSA
 - ☐ 4. DES

Question ID : 630680256157
Option 1 ID : 630680994566
Option 2 ID : 630680994564
Option 3 ID : 630680994565
Option 4 ID : 630680994563

Q.19 _____ is a person who carries on business by himself/herself.

- Ans
- ☐ 1. Cooperative
 - ☒ 2. Sole proprietorship
 - ☐ 3. Partnership
 - ☐ 4. Trader

Question ID : 630680256130
Option 1 ID : 630680994455
Option 2 ID : 630680994457
Option 3 ID : 630680994456
Option 4 ID : 630680994458

Q.20 Which of the following is NOT true about NTFS?

- Ans
- ☒ 1. It utilises the disk space efficiently by using a smaller size of clusters.
 - ☒ 2. NTFS's attributes are read-only, hidden, system, archive, not content indexed, off-line, temporary and compressed.
 - ☒ 3. It introduced improved performance, scalable in comparison with its precursor.
 - ☒ 4. It does not support the compression of files and directories to optimise storage space.

Question ID : 630680256134
Option 1 ID : 630680994472
Option 2 ID : 630680994474
Option 3 ID : 630680994473
Option 4 ID : 630680994471

Section : Discipline5

Q.1 The set of processes developed in an organisation to create, gather, store, transfer and apply knowledge best describes:

- Ans
- ☒ 1. knowledge management
 - ☒ 2. organisational learnings
 - ☒ 3. knowledge asset
 - ☒ 4. organisational memory

Question ID : 630680256205
Option 1 ID : 630680994756
Option 2 ID : 630680994755
Option 3 ID : 630680994758
Option 4 ID : 630680994757

Q.2 Which of the following is the execution engine for .NET applications and servers as the interface between .NET applications and the operating system.

- Ans
- ☒ 1. Framework Class Library (FCL)
 - ☒ 2. Common Type System (CTS)
 - ☒ 3. Common Language Specifications (CLS)
 - ☒ 4. Common Language Runtime (CLR)

Question ID : 630680256181
Option 1 ID : 630680994662
Option 2 ID : 630680994661
Option 3 ID : 630680994659
Option 4 ID : 630680994660

Q.3 Which of the following is NOT a feature of ADO.net?

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

Question ID : 630680256183
Option 1 ID : 630680994668
Option 2 ID : 630680994667
Option 3 ID : 630680994670
Option 4 ID : 630680994669

Q.4 Find the value of $F = xy + x'z$ using distributive law.

- Ans
- ☐ 1. $(x + z)(y + z)$
 - ☐ 2. $(x + y')(x + z)$
 - ☐ 3. $(x' + y)(y + z)$
 - ☒ 4. $(x' + y)(x + z)(y + z)$

Question ID : 630680256145
Option 1 ID : 630680994516
Option 2 ID : 630680994515
Option 3 ID : 630680994517
Option 4 ID : 630680994518

Q.5 The refractive index of the core of an optical fibre is greater than that of cladding because:

- Ans
- ☐ 1. the light gets reflected at the entrance end of the optical fibre
 - ☒ 2. the light gets totally internally reflected into the core
 - ☐ 3. the light gets restricted at the entrance end of the optical fibre
 - ☐ 4. the light gets refracted into cladding

Question ID : 630680256144
Option 1 ID : 630680994514
Option 2 ID : 630680994511
Option 3 ID : 630680994513
Option 4 ID : 630680994512

Q.6 Which directive is used for binding the model data to the view?

- Ans
- ☒ 1. ng-model-view
 - ☒ 2. ng-model-app
 - ☒ 3. ng-model
 - ☒ 4. ng-app-model

Question ID : 630680256162
Option 1 ID : 630680994586
Option 2 ID : 630680994584
Option 3 ID : 630680994585
Option 4 ID : 630680994583

Q.7 If μ is an averaging operator and δ^n is the n^{th} central difference operator, then what is the value of μ^2 ?

- Ans
- ☒ 1. $\mu^2 = \frac{1}{4}(\delta^2 + 4)$
 - ☒ 2. $\mu^2 = \frac{1}{2}(\delta^2 + 4)$
 - ☒ 3. $\mu^2 = \frac{1}{4}(\delta^2 + 6)$
 - ☒ 4. $\mu^2 = \frac{1}{4}(\delta^2 + 8)$

Question ID : 630680256214
Option 1 ID : 630680994794
Option 2 ID : 630680994792
Option 3 ID : 630680994793
Option 4 ID : 630680994791

Q.8 For what minimum value of propagation delay in each FF will a 10-bit ripple counter skip a count when it is clocked at 10 MHz?

- Ans
- ☒ 1. 10 ns
 - ☒ 2. 25 ns
 - ☒ 3. 100 ns
 - ☒ 4. 50 ns

Question ID : 630680256148
Option 1 ID : 630680994530
Option 2 ID : 630680994529
Option 3 ID : 630680994527
Option 4 ID : 630680994528

Q.9 What are the solutions for the following sum of a subset problem?

$w[1:5]=\{2,7,8,9,15\}$; Sum required = 17

1 means the item is included.

0 means the item is excluded.

- Ans
- ☒ 1. 11100; 10101; 00110
 - ☒ 2. 11100; 10001; 00110
 - ☒ 3. 11000; 10001; 00110
 - ☒ 4. 11100; 10101; 00111

Question ID : 630680256194
Option 1 ID : 630680994714
Option 2 ID : 630680994712
Option 3 ID : 630680994713
Option 4 ID : 630680994711

Q.10 Which of the following systems comprises word processing, electronic filing, electronic mail, message switching, data storage and data and voice communication?

- Ans
- ☒ 1. Executive Support Systems
 - ☒ 2. Office Automation Systems
 - ☒ 3. Customer Relationship Management
 - ☒ 4. Decision Support Systems

Question ID : 630680256197
Option 1 ID : 630680994723
Option 2 ID : 630680994725
Option 3 ID : 630680994726
Option 4 ID : 630680994724

Section : Teaching Methodology

Q.1 Who among the following is known as Lokhitwadi?

- Ans
- ☒ 1. Ishwar Chandra Vidyasagar
 - ☒ 2. GopalHari Deshmukh
 - ☒ 3. Rabindranath Tagore
 - ☒ 4. Ram Mohan Roy

Question ID : 630680256218
Option 1 ID : 630680994807
Option 2 ID : 630680994809
Option 3 ID : 630680994810
Option 4 ID : 630680994808

Q.2 For preparing a unit plan, which of the following procedure is followed?
I. Formation of proper units and sub-units if not prescribed in the syllabus.
II. Determination of methods of assessment.

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

Question ID : 630680256220
Option 1 ID : 630680994817
Option 2 ID : 630680994818
Option 3 ID : 630680994815
Option 4 ID : 630680994816

Q.3 David Kolb's model of learning style is based on which type of learning?

- Ans ☐ 1. Inquiry-based learning
☐ 2. Integrative learning
☐ 3. Collaborative learning
☒ 4. Experiential learning

Question ID : 630680256221
Option 1 ID : 630680994820
Option 2 ID : 630680994821
Option 3 ID : 630680994822
Option 4 ID : 630680994819

Q.4 Inconsistency in the development of different type of conservation is called _____.

- Ans ☒ 1. Horizontal Decalage
☐ 2. Meta-cognition
☐ 3. Selective attention
☐ 4. Immersion

Question ID : 630680256216
Option 1 ID : 630680994799
Option 2 ID : 630680994801
Option 3 ID : 630680994800
Option 4 ID : 630680994802

Q.5 Heuristic method of teaching science was introduced by_____.

- Ans ☐ 1. William James
☒ 2. Henry Edward Armstrong
☐ 3. Lev Vygotsky
☐ 4. Abraham Maslow

Question ID : 630680256219
Option 1 ID : 630680994814
Option 2 ID : 630680994812
Option 3 ID : 630680994811
Option 4 ID : 630680994813

Q.6 Which of the following statement is correct regarding vision of new-born babies?
I. Neonates can discriminate between stationary black and white stripe which is 1/8 of an inch wide
II. By three months babies can see stripes as narrow as 64th of an inch wide

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

Question ID : 630680256215
Option 1 ID : 630680994797
Option 2 ID : 630680994798
Option 3 ID : 630680994795
Option 4 ID : 630680994796

Q.7 In the context of Parenting, which of the following is correctly matched?

- Ans ☒ 1. Clearly communicating parent – Child being less liked
☒ 2. Power assertive parents – Coercive tactics in peer used by child
☒ 3. Parents being harsh – Unattractive social behavior of child
☒ 4. Give and take relationship of parents – Children show same relationship with peer

Question ID : 630680256217
Option 1 ID : 630680994806
Option 2 ID : 630680994804
Option 3 ID : 630680994803
Option 4 ID : 630680994805

Q.8 Broca's area and wernicke's area are concerned with language. These are the areas of _____.

- I. right hemisphere of brain.
II. left hemisphere of brain.

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

Question ID : 630680256222
Option 1 ID : 630680994824
Option 2 ID : 630680994823
Option 3 ID : 630680994825
Option 4 ID : 630680994826

Q.9 Which of the following is NOT a Neo-Freudian Theory of Development?
I. Henry Stack Sullivan's Interpersonal Theory
II. Erik Erikson Theory of Psycho-social Development

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

Question ID : 630680256223
Option 1 ID : 630680994828
Option 2 ID : 630680994829
Option 3 ID : 630680994830
Option 4 ID : 630680994827

Q.10 Participation in which of the following activities can enable the community to accept a teacher as one of them?
I. Problems of unhygienic conditions.
II. Problems of agriculture.

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

Question ID : 630680256224
Option 1 ID : 630680994834
Option 2 ID : 630680994831
Option 3 ID : 630680994833
Option 4 ID : 630680994832