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**Previous Year Paper
(Computer Science)
25 June, 2023 Shift 2**

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Participant ID	
Participant Name	
Test Center Name	
Test Date	25/06/2023
Test Time	12:30 PM - 2:30 PM
Subject	TGT Computer Science

Section : General intelligence and Reasoning Ability

Q.1 How many numbers are divisible by their immediately preceding number but not exactly by their immediately following number in the following series?

8 9 9 7 6 0 7 6 5 4 3 2 3 4 3 2 5 6 7 4 3 4 5 6 7 8 3 9 6 5 4 3 2 2 4 5 6 7

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

Question ID : 630680256500
Option 1 ID : 630680995929
Option 2 ID : 630680995927
Option 3 ID : 630680995928
Option 4 ID : 630680995930

Q.2 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. All shirts are curtains.
 - B. Some shirts are pens.
 - C. Some pens are cups.

- Conclusions:
- I. No cups are shirts.
 - II. No cups are curtains.
 - III. No curtains are pens.

- Ans
- ✓ 1. None of the conclusions follow.
 - ✗ 2. Only conclusion III follows.
 - ✗ 3. Only conclusions II and III follow.
 - ✗ 4. Only conclusions I and II follow.

Question ID : 630680256497
Option 1 ID : 630680995917
Option 2 ID : 630680995915
Option 3 ID : 630680995916
Option 4 ID : 630680995918

Q.3 Which two signs should be interchanged to make the following equation correct?

$$56 - 74 \times 17 + 391 \div 23 = 1297$$

- Ans
- ☒ 1. $\div$ and $\times$
 - ☒ 2. $+$ and $-$
 - ☒ 3. $\times$ and $-$
 - ☒ 4. $\div$ and $+$

Question ID : 630680256514
Option 1 ID : 630680995983
Option 2 ID : 630680995984
Option 3 ID : 630680995985
Option 4 ID : 630680995986

Q.4 Select the term from among the given options that can replace the question mark (?) in the following series.

PMT, QOW, RQZ, SSC, ?

- Ans
- ☒ 1. TVG
 - ☒ 2. TUF
 - ☒ 3. TVF
 - ☒ 4. TVE

Question ID : 630680256499
Option 1 ID : 630680995923
Option 2 ID : 630680995925
Option 3 ID : 630680995926
Option 4 ID : 630680995924

Q.5 A person placed the 9 letters from A to I of the English alphabet into a row such that

- There is exactly two letters' gap between two vowels.
- I and B are placed at the extreme ends.
- D and F are placed between A and E.
- C is placed to the right of B and second to the left of D.
- E is placed exactly between A and I.

Which letter is placed in the middle of the row?

- Ans
- ☒ 1. F
 - ☒ 2. E
 - ☒ 3. G
 - ☒ 4. D

Question ID : 630680256495
Option 1 ID : 630680995907
Option 2 ID : 630680995908
Option 3 ID : 630680995910
Option 4 ID : 630680995909

Q.6 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 : 630680256507
Option 1 ID : 630680995957
Option 2 ID : 630680995955
Option 3 ID : 630680995956
Option 4 ID : 630680995958

Q.7 Select the correct mirror image of the given pattern when the mirror is placed at the right side.

ACTIVE

Ans

✓ 1.

ACTIVE

✗ 2.

ACTIVE

✗ 3.

ACTIVE

✗ 4.

ACTIVE

Question ID : 630680256508
Option 1 ID : 630680995961
Option 2 ID : 630680995959
Option 3 ID : 630680995960
Option 4 ID : 630680995962

Q.8 Read the given statement and conclusions carefully. Assuming that the information given in the statement 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 statement.

Statement:

Physical exercises are good for health.

Conclusions:

- I. Mostly players are healthy because of the involvement of physical exercise in their profession.
- II. Ravinder played tennis at the age of 70.

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

Question ID : 630680256505
Option 1 ID : 630680995948
Option 2 ID : 630680995947
Option 3 ID : 630680995950
Option 4 ID : 630680995949

Q.9 A statement is given followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Should a college run any course without seeking affiliation from the university?

Arguments:

- I. Yes, it will provide more opportunities to individuals.
- II. No, it will deteriorate the quality as college may not have all the equipment and resource to run any course.

- Ans**
- ☒ 1. Both arguments I and II are strong.
 - ☒ 2. Only argument I is strong.
 - ☒ 3. Only argument II is strong.
 - ☒ 4. Neither argument I nor argument II is strong.

Question ID : 630680256506
Option 1 ID : 630680995953
Option 2 ID : 630680995951
Option 3 ID : 630680995952
Option 4 ID : 630680995954

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

- Ans**
- ☒ 1. 59-413
 - ☒ 2. 37-269
 - ☒ 3. 61-427
 - ☒ 4. 47-329

Question ID : 630680256510
Option 1 ID : 630680995969
Option 2 ID : 630680995967
Option 3 ID : 630680995970
Option 4 ID : 630680995968

Q.11 What approximate value should come in place of the question mark (?) in the following equation?

$78.69 + 29.19 \times 13.17 - 45.67 \div 22.89 = ?$

- Ans
- ✗ 1. 378
 - ✗ 2. 567
 - ✗ 3. 356
 - ✓ 4. 454

Question ID : 630680256513
Option 1 ID : 630680995981
Option 2 ID : 630680995982
Option 3 ID : 630680995980
Option 4 ID : 630680995979

Q.12 Select the option where the second word is related to the first word in the same way as the second word is related to the first word in the given pair.

IMAGINE: BLJGFMJ

- Ans
- ✓ 1. COLLEGE : MNDLFFF
 - ✗ 2. SUCCESS : DTTCTRE
 - ✗ 3. COMMAND : NNDMENB
 - ✗ 4. FAILURE : JZFLFQV

Question ID : 630680256502
Option 1 ID : 630680995936
Option 2 ID : 630680995935
Option 3 ID : 630680995938
Option 4 ID : 630680995937

Q.13 In a row of 50 students, Kajal is 8th to the left of Rashmi. If Rashmi is 25th from the left end of the row, what will be the position of Kajal from the right end of the row?

- Ans
- ✗ 1. 33rd
 - ✓ 2. 34th
 - ✗ 3. 32nd
 - ✗ 4. 35th

Question ID : 630680256496
Option 1 ID : 630680995911
Option 2 ID : 630680995913
Option 3 ID : 630680995914
Option 4 ID : 630680995912

Q.14 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

What will be the code of 'HUMAN' in the same language?

Statements:

- I. 'FAHAD' is coded as '61814'.
- II. 'WATER' is coded as '23120518'.

Ans  1.

Information in both the statements I and II is necessary to answer the question.

 2.

Information in statement I alone is sufficient to answer the question, while information in statement II alone is not sufficient to answer the question.

 3.

Information in either statement I alone or statement II alone is sufficient to answer the question.

 4.

Information in statement II alone is sufficient to answer the question, while information in statement I alone is not sufficient to answer the question.

Question ID : 630680256501

Option 1 ID : 630680995934

Option 2 ID : 630680995931

Option 3 ID : 630680995933

Option 4 ID : 630680995932

Q.15 Four letter-cluster 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. IMAGINE : BLJGFMJ

 2. SUCCESS : DTTCTRF

 3. COMMAND : NNDMENB

 4. COLLEGE : MNDLFFF

Question ID : 630680256503

Option 1 ID : 630680995941

Option 2 ID : 630680995939

Option 3 ID : 630680995942

Option 4 ID : 630680995940

Q.16 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

34 * 69 * 23 * 37 * 23 * 882

Ans  1. $\times, +, \div, -, =$

 2. $+, \div, \times, -, =$

 3. $-, \div, +, \times, =$

 4. $\div, +, \times, -, =$

Question ID : 630680256512

Option 1 ID : 630680995978

Option 2 ID : 630680995977

Option 3 ID : 630680995976

Option 4 ID : 630680995975

Q.17 Four letter-cluster 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. HOTELS : PIFUTM

2. MATTER : BNUUSF

3. ACTING : DBJUHO

4. ACTUAL : DBUVMB

Question ID : 630680256504

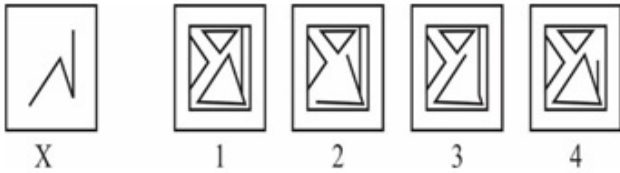
Option 1 ID : 630680995943

Option 2 ID : 630680995944

Option 3 ID : 630680995946

Option 4 ID : 630680995945

Q.18 Select the option that contains figure X as its part.



- Ans

1. 3

2. 4

3. 2

4. 1

Question ID : 630680256509

Option 1 ID : 630680995965

Option 2 ID : 630680995966

Option 3 ID : 630680995963

Option 4 ID : 630680995964

Q.19 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. 19-59

2. 17-53

3. 29-91

4. 23-71

Question ID : 630680256511

Option 1 ID : 630680995972

Option 2 ID : 630680995971

Option 3 ID : 630680995974

Option 4 ID : 630680995973

Q.20 There are six persons, P, Q, R, S, T and U. R is lighter than P but heavier than Q. S is lighter than U. T is heavier than P. U is lighter than Q. Who is the heaviest among them all?

- Ans
- ☒ 1. P
 - ☒ 2. R
 - ☒ 3. T
 - ☒ 4. Q

Question ID : 630680256498
Option 1 ID : 630680995919
Option 2 ID : 630680995921
Option 3 ID : 630680995922
Option 4 ID : 630680995920

Section : General Awareness

Q.1 After Kerala, which of the following states or union territories has the highest scheduled caste sex ratio?

- Ans
- ☒ 1. Puducherry
 - ☒ 2. Tamil Nadu
 - ☒ 3. Maharashtra
 - ☒ 4. New Delhi

Question ID : 630680256529
Option 1 ID : 630680996046
Option 2 ID : 630680996043
Option 3 ID : 630680996044
Option 4 ID : 630680996045

Q.2 Who among the following gave the three laws of planetary motion?

- Ans
- ☒ 1. Newton
 - ☒ 2. Rutherford
 - ☒ 3. Kepler
 - ☒ 4. Faraday

Question ID : 630680256532
Option 1 ID : 630680996056
Option 2 ID : 630680996057
Option 3 ID : 630680996055
Option 4 ID : 630680996058

Q.3 In which of the following diseases does a parasite develop in the red blood cells (RBCs) of humans?

- Ans
- ☐ 1. Covid-19
 - ☐ 2. Avian influenza
 - ☐ 3. Dengue
 - ☒ 4. Malaria

Question ID : 630680256531
Option 1 ID : 630680996053
Option 2 ID : 630680996054
Option 3 ID : 630680996051
Option 4 ID : 630680996052

Q.4 The Ajanta caves of Maharashtra are the cave monuments connected with which of the following religions?

- Ans
- ☐ 1. Zoroastrianism
 - ☒ 2. Buddhism
 - ☐ 3. Hinduism
 - ☐ 4. Jainism

Question ID : 630680256523
Option 1 ID : 630680996022
Option 2 ID : 630680996020
Option 3 ID : 630680996019
Option 4 ID : 630680996021

Q.5 Who among the following Pala dynasty rulers was the founder of Vajrayana, Vikramashila and Somapura universities?

- Ans
- ☐ 1. Gopala
 - ☐ 2. Devapala
 - ☒ 3. Dharmapala
 - ☐ 4. Mahipala

Question ID : 630680256520
Option 1 ID : 630680996007
Option 2 ID : 630680996009
Option 3 ID : 630680996008
Option 4 ID : 630680996010

Q.6 The grants in aid by the Union government to certain States, charged to the Consolidated Fund of India, are described in Article _____ of the Constitution of India, 1949.

- Ans
- ☐ 1. 475
 - ☐ 2. 175
 - ☒ 3. 275
 - ☐ 4. 375

Question ID : 630680256534
Option 1 ID : 630680996066
Option 2 ID : 630680996063
Option 3 ID : 630680996064
Option 4 ID : 630680996065

Q.7 Which of the following dance forms was also known as 'Dasi Attam' in ancient times?

- Ans ☒ 1. Mohiniattam
- ☒ 2. Bharatnatyam
- ☒ 3. Kathak
- ☒ 4. Bihu

Question ID : 630680256524
Option 1 ID : 630680996023
Option 2 ID : 630680996024
Option 3 ID : 630680996025
Option 4 ID : 630680996026

Q.8 Recently India test fired the surface-to-surface ballistic missile, Agni-5. What type of fuel engine does the missile have?

- Ans ☒ 1. Liquid fuel engine
- ☒ 2. Semisolid fuel engine
- ☒ 3. Gaseous fuel engine
- ☒ 4. Solid fuel engine

Question ID : 630680256516
Option 1 ID : 630680995993
Option 2 ID : 630680995992
Option 3 ID : 630680995994
Option 4 ID : 630680995991

Q.9 Ustad Zakir Hussain, the Indian music maestro, is known to play which of the following instruments?

- Ans ☒ 1. Flute
- ☒ 2. Tabla
- ☒ 3. Santoor
- ☒ 4. Harmonica

Question ID : 630680256525
Option 1 ID : 630680996028
Option 2 ID : 630680996029
Option 3 ID : 630680996027
Option 4 ID : 630680996030

Q.10 The receipts which neither create any liability nor reduce the assets of the government are called _____.

- Ans ☒ 1. self-assessed receipts
- ☒ 2. revenue receipts
- ☒ 3. capital receipts
- ☒ 4. standard receipts

Question ID : 630680256526
Option 1 ID : 630680996033
Option 2 ID : 630680996031
Option 3 ID : 630680996032
Option 4 ID : 630680996034

Q.11 Which state has recently, in November 2022, notified to implement the Panchayat Extension to Scheduled Areas (PESA) Act?

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

Question ID : 630680256533
Option 1 ID : 630680996059
Option 2 ID : 630680996061
Option 3 ID : 630680996062
Option 4 ID : 630680996060

Q.12 In December 2022, three women of Indian origin were selected as Australia's 'STEM Superstars'. Which of the following is NOT one of them?

- Ans
- ☒ 1. Dr. Indrani Mukherjee
 - ☒ 2. Neelima Kadiala
 - ☒ 3. Dr. Ana Baburamani
 - ☐ 4. Shruthi Bishnoi

Question ID : 630680256515
Option 1 ID : 630680995989
Option 2 ID : 630680995987
Option 3 ID : 630680995988
Option 4 ID : 630680995990

Q.13 Which state has major reserves of low-grade, brown coal called lignite, which is used for power generation?

- Ans
- ☒ 1. Gujarat
 - ☒ 2. West Bengal
 - ☒ 3. Odisha
 - ☐ 4. Tamil Nadu

Question ID : 630680256530
Option 1 ID : 630680996050
Option 2 ID : 630680996047
Option 3 ID : 630680996048
Option 4 ID : 630680996049

Q.14 As per the Handbook of Statistics on the Indian Economy, 2019-20, published by RBI, which Indian state has highest GDP?

- Ans
- ☒ 1. Tamil Nadu
 - ☐ 2. Maharashtra
 - ☒ 3. Karnataka
 - ☒ 4. Gujarat

Question ID : 630680256527
Option 1 ID : 630680996036
Option 2 ID : 630680996035
Option 3 ID : 630680996037
Option 4 ID : 630680996038

Q.15 Where will the 2023 IBA Women's World Boxing Championships take place in India, in March 2023?

- Ans
- ☐ 1. Gandhinagar
 - ☐ 2. Indore
 - ☐ 3. Chandigarh
 - ☒ 4. New Delhi

Question ID : 630680256518
Option 1 ID : 630680995999
Option 2 ID : 630680996001
Option 3 ID : 630680996002
Option 4 ID : 630680996000

Q.16 Which of the following monuments is NOT located in Delhi?

- Ans
- ☐ 1. Qutab Minar
 - ☐ 2. Ala-i-Minar
 - ☐ 3. Balban's Tomb
 - ☒ 4. Bibi ka Makbara

Question ID : 630680256522
Option 1 ID : 630680996015
Option 2 ID : 630680996017
Option 3 ID : 630680996016
Option 4 ID : 630680996018

Q.17 Who was the first Asian to be elected for membership in the British Parliament in 1892?

- Ans
- ☐ 1. Subhas Chandra Bose
 - ☒ 2. Dadabhai Naoroji
 - ☐ 3. Jawahar Lal Nehru
 - ☐ 4. Dinyar Patel

Question ID : 630680256521
Option 1 ID : 630680996012
Option 2 ID : 630680996011
Option 3 ID : 630680996013
Option 4 ID : 630680996014

Q.18 'Bangar' and 'Khadar' are the sub-types of which of the following soils?

- Ans
- ☐ 1. Black soil
 - ☒ 2. Alluvial soil
 - ☐ 3. Red soil
 - ☐ 4. Laterite soil

Question ID : 630680256528
Option 1 ID : 630680996040
Option 2 ID : 630680996039
Option 3 ID : 630680996041
Option 4 ID : 630680996042

Q.19 Who is the first Indian woman to win a bronze medal in the Women's singles table tennis at the Asian Cup 2022?

- Ans
- ☐ 1. Sutirtha Mukherjee
 - ☐ 2. Mouma Das
 - ☒ 3. Manika Batra
 - ☐ 4. Naina Jaiswal

Question ID : 630680256519
Option 1 ID : 630680996003
Option 2 ID : 630680996006
Option 3 ID : 630680996004
Option 4 ID : 630680996005

Q.20 As per the Sample Registration System (SRS) Statistical Report, 2019, released in February 2022 by the Registrar General of India (RGI), which state had the highest infant mortality rate in 2019?

- Ans
- ☐ 1. Odisha
 - ☒ 2. Madhya Pradesh
 - ☐ 3. Chhattisgarh
 - ☐ 4. Bihar

Question ID : 630680256517
Option 1 ID : 630680995998
Option 2 ID : 630680995997
Option 3 ID : 630680995995
Option 4 ID : 630680995996

Section : Arithmetical and Numerical Ability

Q.1 The value of $\frac{7\frac{1}{2} \text{ of } \frac{2}{5} \div \frac{3}{8} - \frac{3}{8} \times \frac{5}{4} \div \frac{2}{5} \text{ of } \frac{5}{16} + \frac{1}{4}}{\frac{2}{3} \text{ of } 2\frac{1}{6} \div 1\frac{1}{3} \times \frac{1}{2} - \frac{1}{36}}$ is:

- Ans
- ☒ 1. $13\frac{1}{2}$
 - ☐ 2. $11\frac{3}{4}$
 - ☐ 3. $9\frac{1}{2}$
 - ☐ 4. $7\frac{1}{4}$

Question ID : 630680256535
Option 1 ID : 630680996070
Option 2 ID : 630680996069
Option 3 ID : 630680996068
Option 4 ID : 630680996067

Q.2 A train completely passes a 200-m-long tunnel in 36 seconds and a pole in 20 seconds. How much time (in hours) will it take to cover a distance of 333 km?

- Ans**
- ☒ 1. 6.7
 - ☒ 2. 7.5
 - ☒ 3. 7.4
 - ☒ 4. 6.9

Question ID : 630680256549
Option 1 ID : 630680996126
Option 2 ID : 630680996124
Option 3 ID : 630680996123
Option 4 ID : 630680996125

Q.3 Ravi and Gaurav enter into a partnership with their capitals in the ratio of $\frac{1}{2} : \frac{5}{6}$. After 4 months, Ravi doubles his capital and Gaurav reduces his capital by 40%. What is the share of Ravi in the profit if Gaurav's share in the profit is ₹1,32,000, after 1 year?

- Ans**
- ☒ 1. ₹1,92,000
 - ☒ 2. ₹1,80,000
 - ☒ 3. ₹1,68,000
 - ☒ 4. ₹1,56,000

Question ID : 630680256546
Option 1 ID : 630680996114
Option 2 ID : 630680996113
Option 3 ID : 630680996112
Option 4 ID : 630680996111

Q.4 The price of an item is increased successively by 20%, 10% and 5% and then decreased by 40%. If its final price is ₹415.80, then what was its initial price?

- Ans**
- ☒ 1. ₹480
 - ☒ 2. ₹520
 - ☒ 3. ₹500
 - ☒ 4. ₹550

Question ID : 630680256540
Option 1 ID : 630680996087
Option 2 ID : 630680996089
Option 3 ID : 630680996088
Option 4 ID : 630680996090

Q.5 If $x = \sqrt{23 + 6\sqrt{10}} - \sqrt{23 - 6\sqrt{10}}$, then the value of x lies between:

- Ans
- ☒ 1. 5 and 5.5
 - ☒ 2. 4 and 4.5
 - ☒ 3. 3.5 and 4
 - ☒ 4. 4.5 and 5

Question ID : 630680256536
Option 1 ID : 630680996074
Option 2 ID : 630680996072
Option 3 ID : 630680996071
Option 4 ID : 630680996073

Q.6 The cost of colouring a conical tomb at ₹80 per 100 m^2 is ₹440, and its slant height is 25 m. The volume (in m^3) of material contained in it is (use $\pi = \frac{22}{7}$):

- Ans
- ☒ 1. 1001
 - ☒ 2. 1232
 - ☒ 3. 924
 - ☒ 4. 1078

Question ID : 630680256552
Option 1 ID : 630680996137
Option 2 ID : 630680996136
Option 3 ID : 630680996138
Option 4 ID : 630680996135

Q.7 By selling an article for ₹374, a shopkeeper loses 6.5%. To gain 9.5%, he must sell it for:

- Ans
- ☒ 1. ₹448
 - ☒ 2. ₹440
 - ☒ 3. ₹432
 - ☒ 4. ₹438

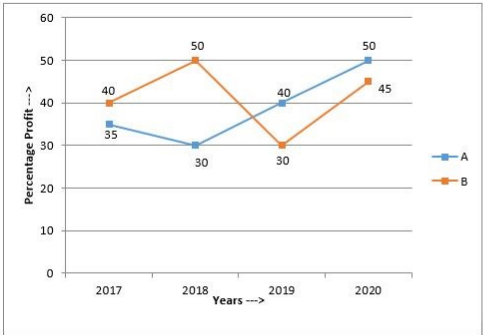
Question ID : 630680256542
Option 1 ID : 630680996098
Option 2 ID : 630680996097
Option 3 ID : 630680996095
Option 4 ID : 630680996096

Q.8 The marked price of an article is ₹600. It is sold for ₹342.72, after allowing three successive discounts of 16%, 20% and $x\%$ on its marked price. If a single discount of $2x\%$ is given on its marked price, then the selling price (in ₹) of the article will be:

- Ans** ☒ 1. 420
 ☐ 2. 390
 ☐ 3. 450
 ☐ 4. 492

Question ID : 630680256543
Option 1 ID : 630680996101
Option 2 ID : 630680996099
Option 3 ID : 630680996102
Option 4 ID : 630680996100

Q.9 Study the following graph and answer the question.
Percentage profit earned by companies A and B during 2017 to 2020



Percentage profit = $\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$

Profit = Income – Expenditure

If the total income of both the companies in 2019 was ₹428.8 crores and the ratio of the expenditure of A to that of B in the same year was 2 : 3, then the expenditure (in ₹ crores) of A in that year was:

- Ans** ☐ 1. 136
 ☒ 2. 128
 ☐ 3. 124
 ☐ 4. 130

Question ID : 630680256554
Option 1 ID : 630680996146
Option 2 ID : 630680996144
Option 3 ID : 630680996143
Option 4 ID : 630680996145

Q.10 A computer is available for ₹75,300 cash or for ₹25,740 cash down payment and two equal half-yearly instalments. If the dealer charges interest at 20% p.a., compounded half-yearly, then the total interest to be paid by a customer who buys it in instalment scheme is:

- Ans** ☒ 1. ₹7,552
☒ 2. ₹7,564
☒ 3. ₹7,532
☒ 4. ₹7,574

Question ID : 630680256548
 Option 1 ID : 630680996120
 Option 2 ID : 630680996121
 Option 3 ID : 630680996119
 Option 4 ID : 630680996122

Q.11 Given that $a + b + c = 3960$. If $a : (b + c) = 3 : 8$ and $c : (a + b) = 4 : 5$, then what is the value of b ?

- Ans** ☒ 1. 1080
☒ 2. 1760
☒ 3. 1440
☒ 4. 1120

Question ID : 630680256544
 Option 1 ID : 630680996103
 Option 2 ID : 630680996106
 Option 3 ID : 630680996104
 Option 4 ID : 630680996105

Q.12 Pipes A and B can fill a tank in 40 hours and x hours, respectively. Pipe C alone can empty the full tank in 10 hours. When all the three pipes are opened together, then $\frac{1}{6}$ th part of the full tank is emptied in 4 hours. What is the value of x ?

- Ans** ☒ 1. 36
☒ 2. 20
☒ 3. 24
☒ 4. 30

Question ID : 630680256550
 Option 1 ID : 630680996130
 Option 2 ID : 630680996129
 Option 3 ID : 630680996127
 Option 4 ID : 630680996128

Q.13 The perimeter of a field in the shape of a rhombus is 116 m and one of its diagonals is 42 m. Its area is equal to the area of a rectangular garden whose sides are in the ratio of 30 : 7. The perimeter of the rectangular garden is:

- Ans**
- ☒ 1. 185 m
 - ☒ 2. 111 m
 - ☒ 3. 222 m
 - ☒ 4. 148 m

Question ID : 630680256551
Option 1 ID : 630680996134
Option 2 ID : 630680996131
Option 3 ID : 630680996132
Option 4 ID : 630680996133

Q.14 The income of A is 32% less than the income of B, and the average income of A and B is 20% less than the income of C. If A's income increases by 25% and B's income decreases by 10%, then the income of C is what percentage less than the new total income of A and B?

- Ans**
- ☒ 1. 40%
 - ☒ 2. 35%
 - ☒ 3. 30%
 - ☒ 4. 32%

Question ID : 630680256541
Option 1 ID : 630680996094
Option 2 ID : 630680996093
Option 3 ID : 630680996091
Option 4 ID : 630680996092

Q.15 Solutions A, B and C contain alcohol and water in the ratio of 3 : 7, 4 : 11 and 2 : 3, respectively. Four litres of A, five litres of B and three litres of C are mixed in a vessel. The percentage of alcohol in the resulting solution in the vessel is closest to:

- Ans**
- ☒ 1. 32%
 - ☒ 2. 31%
 - ☒ 3. 28%
 - ☒ 4. 30%

Question ID : 630680256539
Option 1 ID : 630680996086
Option 2 ID : 630680996085
Option 3 ID : 630680996083
Option 4 ID : 630680996084

Q.16 A varies inversely with the product of B and C. When B = 9 and C = 5, then A = 12. When B = 15 and C = 4, then the value of A is:

- Ans
- ☒ 1. 16
 - ☒ 2. 8
 - ☒ 3. 9
 - ☒ 4. 18

Question ID : 630680256545
Option 1 ID : 630680996109
Option 2 ID : 630680996107
Option 3 ID : 630680996108
Option 4 ID : 630680996110

Q.17 The height of a solid right circular cylinder is 32 cm. Its total surface area is $370\pi\text{ cm}^2$. Its volume is equal to $\frac{3}{5}$ of the volume of a sphere. The diameter of the sphere is:

- Ans
- ☒ 1. 15 cm
 - ☒ 2. 10 cm
 - ☒ 3. 30 cm
 - ☒ 4. 20 cm

Question ID : 630680256553
Option 1 ID : 630680996140
Option 2 ID : 630680996139
Option 3 ID : 630680996142
Option 4 ID : 630680996141

Q.18 The amount of a certain sum invested at 7.4% p.a. for $2\frac{1}{2}$ years at simple interest is ₹1,701 less than the simple interest on the same sum for 10 years at 15% p.a. The sum (in ₹) is:

- Ans
- ☒ 1. 5,400
 - ☒ 2. 5,000
 - ☒ 3. 5,500
 - ☒ 4. 5,200

Question ID : 630680256547
Option 1 ID : 630680996117
Option 2 ID : 630680996115
Option 3 ID : 630680996118
Option 4 ID : 630680996116

Q.19 Let x be the least number which when divided by 30, 36, 40 and 54, leaves a remainder of 4 in each case, and x is divisible by 23. What is the sum of the digits of x ?

- Ans
- ☐ 1. 12
 - ☒ 2. 13
 - ☐ 3. 14
 - ☐ 4. 11

Question ID : 630680256537
Option 1 ID : 630680996076
Option 2 ID : 630680996077
Option 3 ID : 630680996078
Option 4 ID : 630680996075

Q.20 A man travels from P to Q at a speed of 50 km/h and then from Q to R at a speed of 60 km/h, where Q is between P and R. The ratio of distances PQ and QR is 1 : 2. He travels from R to P at a speed of 45 km/h. What is his average speed (in km/h) for the whole journey?

- Ans
- ☐ 1. 48
 - ☐ 2. 52
 - ☐ 3. 54
 - ☒ 4. 50

Question ID : 630680256538
Option 1 ID : 630680996079
Option 2 ID : 630680996081
Option 3 ID : 630680996082
Option 4 ID : 630680996080

Section : Test of English Language and Comprehension

Q.1 Select the most appropriate option that can substitute the underlined word in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Collins Dictionary picked the word 'permacrisis' as its word of 2022 to describe any widespread period of instability and insecurity.

- Ans
- ☐ 1. lengthened
 - ☐ 2. No substitution required
 - ☐ 3. elongated
 - ☒ 4. extended

Question ID : 630680256565
Option 1 ID : 630680996188
Option 2 ID : 630680996190
Option 3 ID : 630680996187
Option 4 ID : 630680996189

Q.2 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A.This is the story of an unhappy telephone booth that woke up one morning with a headache.
- B.A little later a small boy who was watching all this from a distance came and began singing in his lovely voice.
- C.A young man came to make a call, but the door wouldn't open; then an old lady came and she also could not open it.
- D.And lo and behold! The door opened on its own.

- Ans
- ✗ 1. BCAD
 - ✓ 2. ACBD
 - ✗ 3. CADB
 - ✗ 4. ABCD

Question ID : 630680256569
Option 1 ID : 630680996205
Option 2 ID : 630680996203
Option 3 ID : 630680996206
Option 4 ID : 630680996204

Q.3 Select the most appropriate meaning of the given idiom.

Break even

- Ans
- ✗ 1. To lose someone dear
 - ✓ 2. Neither lose nor gain any money
 - ✗ 3. Divide something into equal parts
 - ✗ 4. Unrehearsed dancing

Question ID : 630680256558
Option 1 ID : 630680996162
Option 2 ID : 630680996159
Option 3 ID : 630680996160
Option 4 ID : 630680996161

Q.4 Select the most appropriate option to fill in the blank.

I am _____ aware of the consequences of my decision.

- Ans
- ✗ 1. utterly
 - ✗ 2. outrightly
 - ✗ 3. positively
 - ✓ 4. fully

Question ID : 630680256563
Option 1 ID : 630680996181
Option 2 ID : 630680996180
Option 3 ID : 630680996179
Option 4 ID : 630680996182

Q.5 Parts of the following sentence have been given as options. Select the option that contains an error.

Please pour the coffee into the flask into the cups.

- Ans ☒ 1. Please pour
☒ 2. into the cups
☒ 3. into the flask
☒ 4. the coffee

Question ID : 630680256555
Option 1 ID : 630680996147
Option 2 ID : 630680996150
Option 3 ID : 630680996149
Option 4 ID : 630680996148

Q.6 Select the most appropriate option that can substitute the underlined word in the given sentence. If there is no need to substitute it, select 'No substitution required'.

With the coming of rains, people are feeling relieved after the flaming heat of the summer season.

- Ans ☒ 1. No substitution required
☒ 2. ardent
☒ 3. scorching
☒ 4. crackling

Question ID : 630680256564
Option 1 ID : 630680996186
Option 2 ID : 630680996183
Option 3 ID : 630680996184
Option 4 ID : 630680996185

Q.7 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Unison
☒ 2. Unpredictable
☒ 3. Univercity
☒ 4. Universal

Question ID : 630680256559
Option 1 ID : 630680996166
Option 2 ID : 630680996163
Option 3 ID : 630680996165
Option 4 ID : 630680996164

Q.8 Select the correctly spelt word.

- Ans ☒ 1. Permeate
- ☐ 2. Pention
- ☐ 3. Persuacion
- ☐ 4. Permission

Question ID : 630680256560
Option 1 ID : 630680996169
Option 2 ID : 630680996170
Option 3 ID : 630680996168
Option 4 ID : 630680996167

Q.9 Select the option that can be used as a one-word substitute for the given phrase.

The arrangement of events or dates in the order of their occurrence

- Ans ☐ 1. Phonology
- ☒ 2. Chronology
- ☐ 3. Geology
- ☐ 4. Morphology

Question ID : 630680256566
Option 1 ID : 630680996191
Option 2 ID : 630680996194
Option 3 ID : 630680996193
Option 4 ID : 630680996192

Q.10 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A.Louis Braille was born on 4th Jan 1809 in France.
- B.Although the doctors did their best, his eyes could not be saved.
- C.He had been playing in his father’s workshop when the accident took place.
- D.When he was 3 years old, Louis lost his eyesight as a result of an accident.

- Ans ☐ 1. DBAC
- ☒ 2. ADCB
- ☐ 3. BCDA
- ☐ 4. ABCD

Question ID : 630680256568
Option 1 ID : 630680996201
Option 2 ID : 630680996200
Option 3 ID : 630680996202
Option 4 ID : 630680996199

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

Liberation

- Ans ☒ 1. Subjugation
- ☐ 2. Emancipation
- ☐ 3. Acquittal
- ☐ 4. Freedom

Question ID : 630680256561
Option 1 ID : 630680996172
Option 2 ID : 630680996173
Option 3 ID : 630680996174
Option 4 ID : 630680996171

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

Face the music

- Ans ☒ 1. Confront unpleasantness
- ☐ 2. Accept appreciation
- ☐ 3. Deny mistakes
- ☐ 4. Playing a difficult tune

Question ID : 630680256557
Option 1 ID : 630680996157
Option 2 ID : 630680996156
Option 3 ID : 630680996158
Option 4 ID : 630680996155

Q.13 Select the option that can be used as a one-word substitute for the given phrase.

A large bedroom for a number of people in a school or institution

- Ans ☐ 1. Creche
- ☒ 2. Dormitory
- ☐ 3. Hostel
- ☐ 4. Sanitorium

Question ID : 630680256567
Option 1 ID : 630680996198
Option 2 ID : 630680996196
Option 3 ID : 630680996195
Option 4 ID : 630680996197

Q.14 Parts of the following sentence have been given as options. Select the option that contains an error.

I appreciate her being honesty about all her mistakes.

- Ans ☒ 1. her being honesty
- ☐ 2. I appreciate
- ☐ 3. about all
- ☐ 4. her mistakes

Question ID : 630680256556
Option 1 ID : 630680996152
Option 2 ID : 630680996151
Option 3 ID : 630680996153
Option 4 ID : 630680996154

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

Let us _____ at the _____ shop.

- Ans ☐ 1. meat; meet
- ☒ 2. meet; meat
- ☐ 3. meet; meet
- ☐ 4. meat; meat

Question ID : 630680256562
Option 1 ID : 630680996178
Option 2 ID : 630680996175
Option 3 ID : 630680996176
Option 4 ID : 630680996177

Comprehension:

Read the given passage and answer the questions that follow.

No matter where you work, sometimes subtle and sometimes very obvious competition is a part and parcel of workplaces. In an environment where most workers are seeking good appraisals, awards, promotions and reputation, fairness is not always on the minds of those competing with each other.

I recall a story in elementary school about how to make a line smaller without cutting it. The answer to the challenge is drawing a bigger line beside the first line so that the one already drawn looks smaller automatically. The moral of the story is that in order to win over others, you don't necessarily need to cut them down. Instead, you can make yourself bigger by being better at the job or earning credibility fairly. Competition is inevitable, but to outshine others, one way is to do a better job or advance yourself by learning and demonstrating skills.

Some people resort to unfair means. They throw colleagues, take credit for others' work, gossip, backbite, go out of their way to please the bosses and do favours outside of work to earn favours at work, etc. When many employees at work take this approach, the culture of the place becomes toxic over time where it is hard for people to trust each other and contribute to a team environment.

Some workers either get frustrated and disengaged and 'quietly quit', that is, they stop caring about work without actually quitting and do the bare minimum to not get fired. Some others simply leave. But quitting is not an option for everyone, especially when their income supports the family. There are extreme scenarios where people have ended their lives or suffered chronic mental or other health problems because they are unable to cope. Because job hopping is not easy and not always a solution for everyone, changing the toxic culture is important.

A human resources department that truly supports employees and their well-being, a strong leadership and psychological safety at work that allows employees to speak up when they see something wrong without the fear of being reprimanded are some important prerequisites to achieve a work culture that is conducive to equitable growth opportunities for all. Such a work environment would also make the organisation productive.

SubQuestion No : 16

Q.16 Why does the writer refer to the story from his school days?

- Ans
1. To bring out the power of competitions

2. To convey that one can win without defeating anyone

3. To find a clever solution to a problem

4. To establish the importance of creative thinking

Question ID : 630680256571

Option 1 ID : 630680996210

Option 2 ID : 630680996209

Option 3 ID : 630680996207

Option 4 ID : 630680996208

Comprehension:

Read the given passage and answer the questions that follow.

No matter where you work, sometimes subtle and sometimes very obvious competition is a part and parcel of workplaces. In an environment where most workers are seeking good appraisals, awards, promotions and reputation, fairness is not always on the minds of those competing with each other. I recall a story in elementary school about how to make a line smaller without cutting it. The answer to the challenge is drawing a bigger line beside the first line so that the one already drawn looks smaller automatically. The moral of the story is that in order to win over others, you don't necessarily need to cut them down. Instead, you can make yourself bigger by being better at the job or earning credibility fairly. Competition is inevitable, but to outshine others, one way is to do a better job or advance yourself by learning and demonstrating skills. Some people resort to unfair means. They throw colleagues, take credit for others' work, gossip, backbite, go out of their way to please the bosses and do favours outside of work to earn favours at work, etc. When many employees at work take this approach, the culture of the place becomes toxic over time where it is hard for people to trust each other and contribute to a team environment. Some workers either get frustrated and disengaged and 'quietly quit', that is, they stop caring about work without actually quitting and do the bare minimum to not get fired. Some others simply leave. But quitting is not an option for everyone, especially when their income supports the family. There are extreme scenarios where people have ended their lives or suffered chronic mental or other health problems because they are unable to cope. Because job hopping is not easy and not always a solution for everyone, changing the toxic culture is important. A human resources department that truly supports employees and their well-being, a strong leadership and psychological safety at work that allows employees to speak up when they see something wrong without the fear of being reprimanded are some important prerequisites to achieve a work culture that is conducive to equitable growth opportunities for all. Such a work environment would also make the organisation productive.

SubQuestion No : 17

Q.17 Select the synonym of 'subtle' as used in the passage .

- Ans

✗ 1. Thin

✗ 2. Sophisticated

✗ 3. Delicate

✓ 4. Implied

Question ID : 630680256572

Option 1 ID : 630680996214

Option 2 ID : 630680996213

Option 3 ID : 630680996211

Option 4 ID : 630680996212

Comprehension:

Read the given passage and answer the questions that follow.

No matter where you work, sometimes subtle and sometimes very obvious competition is a part and parcel of workplaces. In an environment where most workers are seeking good appraisals, awards, promotions and reputation, fairness is not always on the minds of those competing with each other.

I recall a story in elementary school about how to make a line smaller without cutting it. The answer to the challenge is drawing a bigger line beside the first line so that the one already drawn looks smaller automatically. The moral of the story is that in order to win over others, you don't necessarily need to cut them down. Instead, you can make yourself bigger by being better at the job or earning credibility fairly. Competition is inevitable, but to outshine others, one way is to do a better job or advance yourself by learning and demonstrating skills.

Some people resort to unfair means. They throw colleagues, take credit for others' work, gossip, backbite, go out of their way to please the bosses and do favours outside of work to earn favours at work, etc. When many employees at work take this approach, the culture of the place becomes toxic over time where it is hard for people to trust each other and contribute to a team environment.

Some workers either get frustrated and disengaged and 'quietly quit', that is, they stop caring about work without actually quitting and do the bare minimum to not get fired. Some others simply leave. But quitting is not an option for everyone, especially when their income supports the family. There are extreme scenarios where people have ended their lives or suffered chronic mental or other health problems because they are unable to cope.

Because job hopping is not easy and not always a solution for everyone, changing the toxic culture is important.

A human resources department that truly supports employees and their well-being, a strong leadership and psychological safety at work that allows employees to speak up when they see something wrong without the fear of being reprimanded are some important prerequisites to achieve a work culture that is conducive to equitable growth opportunities for all. Such a work environment would also make the organisation productive.

SubQuestion No : 18

Q.18 Which of these is NOT a consequence of fierce competition at workplace?

- Ans
- 

1. Mental health problems
- 

2. Rising one's voice against unfairness
- 

3. Suicides
- 

4. Doing the bare minimum required

Question ID : 630680256573

Option 1 ID : 630680996216

Option 2 ID : 630680996217

Option 3 ID : 630680996215

Option 4 ID : 630680996218

Comprehension:

Read the given passage and answer the questions that follow.

No matter where you work, sometimes subtle and sometimes very obvious competition is a part and parcel of workplaces. In an environment where most workers are seeking good appraisals, awards, promotions and reputation, fairness is not always on the minds of those competing with each other.

I recall a story in elementary school about how to make a line smaller without cutting it. The answer to the challenge is drawing a bigger line beside the first line so that the one already drawn looks smaller automatically. The moral of the story is that in order to win over others, you don't necessarily need to cut them down. Instead, you can make yourself bigger by being better at the job or earning credibility fairly. Competition is inevitable, but to outshine others, one way is to do a better job or advance yourself by learning and demonstrating skills.

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Some workers either get frustrated and disengaged and 'quietly quit', that is, they stop caring about work without actually quitting and do the bare minimum to not get fired. Some others simply leave. But quitting is not an option for everyone, especially when their income supports the family. There are extreme scenarios where people have ended their lives or suffered chronic mental or other health problems because they are unable to cope. Because job hopping is not easy and not always a solution for everyone, changing the toxic culture is important.

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SubQuestion No : 19

Q.19 Which of the following would the writer NOT agree with?

- Ans
- ☒ 1. Equal opportunity for everyone to prove themselves
 - ☒ 2. Freedom of speech essential at workplace
 - ☒ 3. Not let personal preferences interfere in official matters
 - ☒ 4. Allowing bosses to have personal preferences

Question ID : 630680256574
Option 1 ID : 630680996220
Option 2 ID : 630680996219
Option 3 ID : 630680996222
Option 4 ID : 630680996221

Comprehension:

Read the given passage and answer the questions that follow.

No matter where you work, sometimes subtle and sometimes very obvious competition is a part and parcel of workplaces. In an environment where most workers are seeking good appraisals, awards, promotions and reputation, fairness is not always on the minds of those competing with each other.

I recall a story in elementary school about how to make a line smaller without cutting it. The answer to the challenge is drawing a bigger line beside the first line so that the one already drawn looks smaller automatically. The moral of the story is that in order to win over others, you don't necessarily need to cut them down. Instead, you can make yourself bigger by being better at the job or earning credibility fairly. Competition is inevitable, but to outshine others, one way is to do a better job or advance yourself by learning and demonstrating skills.

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SubQuestion No : 20

Q.20 Select the option that describes the type of this passage .

- Ans
- ☒ 1. Narrative
 - ☒ 2. Persuasive
 - ☒ 3. Argumentative
 - ☒ 4. Expository

Question ID : 630680256575
Option 1 ID : 630680996223
Option 2 ID : 630680996226
Option 3 ID : 630680996225
Option 4 ID : 630680996224

Section : Test of Hindi Language and Comprehension

Q.1 दिए गए शब्दों में से उचित तद्भव शब्द से वाक्य पूर्ण करें-

मनुष्य की सर्वोत्तम _____ उसके अच्छे कर्म हैं।

- Ans
- ☒ 1. पृच्छन
 - ☒ 2. पूँजी
 - ☒ 3. पुंज
 - ☒ 4. पुच्छ

Question ID : 630680256589
Option 1 ID : 630680996281
Option 2 ID : 630680996279
Option 3 ID : 630680996280
Option 4 ID : 630680996282

Q.2 दूसरों के (सुख के) लिए अपने सुखों का त्याग।' दिए गए वाक्यांश के लिए एक शब्द होगा--

- Ans
- ☒ 1. आत्मग्राही
 - ☒ 2. आत्मघात
 - ☒ 3. आत्मोसर्ग
 - ☒ 4. आत्मोकर्ष

Question ID : 630680256578
Option 1 ID : 630680996235
Option 2 ID : 630680996237
Option 3 ID : 630680996236
Option 4 ID : 630680996238

Q.3 'तो पर वारों उरबसी, सुनु राधिके सुजान।

तू मोहन के उर बसी, ह्वै उरबसी समान॥' दोहे में अलंकार है-

- Ans
- ☒ 1. यमक अलंकार
 - ☒ 2. अनुप्रास अलंकार
 - ☒ 3. श्लेष अलंकार
 - ☒ 4. वक्रोक्ति अलंकार

Question ID : 630680256585
Option 1 ID : 630680996263
Option 2 ID : 630680996265
Option 3 ID : 630680996266
Option 4 ID : 630680996264

Q.4 निम्न में से कौन-सा विलोम युग्म असुमेलित है-

- Ans
- ☒ 1. सुगति – दुर्गति
 - ☒ 2. सौम्य – उग्र
 - ☒ 3. सृजन – रचना
 - ☒ 4. सृष्टि – प्रलय

Question ID : 630680256588
Option 1 ID : 630680996276
Option 2 ID : 630680996275
Option 3 ID : 630680996277
Option 4 ID : 630680996278

Q.5 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए--

- Ans
- ☒ 1. बाल गोपाल के सिर पर घुँघराले कुंतल दे रहे हैं शोभा।
 - ☒ 2. बाल गोपाल के सिर पर घुँघराले कुंतल शोभा दे रहे हैं।
 - ☒ 3. दे रहे हैं शोभा घुँघराले कुंतल बाल गोपाल के सिर पर।
 - ☒ 4. शोभा दे रहे हैं बाल गोपाल के सिर पर घुँघराले कुंतल।

Question ID : 630680256576
Option 1 ID : 630680996229
Option 2 ID : 630680996227
Option 3 ID : 630680996230
Option 4 ID : 630680996228

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

- Ans ☒ 1. मुँह में पानी भर आना
☐ 2. मुँह में स्वाद भर आना
☐ 3. मुँह में लार भर आना
☐ 4. मुँह में थूक भर आना

Question ID : 630680256586
Option 1 ID : 630680996269
Option 2 ID : 630680996270
Option 3 ID : 630680996267
Option 4 ID : 630680996268

Q.7 'बाजि बली रघुबंसिन के मनो सूरज के रथ चूमन चाहैं।' पंक्ति में अलंकार है-

- Ans ☐ 1. रूपक
☐ 2. संदेह
☒ 3. उत्प्रेक्षा
☐ 4. प्रतीप

Question ID : 630680256584
Option 1 ID : 630680996260
Option 2 ID : 630680996262
Option 3 ID : 630680996261
Option 4 ID : 630680996259

Q.8 'उल्लंघन' का संधि-विच्छेद है-

- Ans ☒ 1. उत् + लंघन
☐ 2. उद् + लंघन
☐ 3. उल्ल + अंघन
☐ 4. उल् + लंघन

Question ID : 630680256581
Option 1 ID : 630680996247
Option 2 ID : 630680996249
Option 3 ID : 630680996250
Option 4 ID : 630680996248

Q.9 'गिरहकट' का समास-विग्रह होगा-

- Ans ☐ 1. गिरह का काटनेवाला
☒ 2. गिरह को काटनेवाला
☐ 3. गिरह के लिए काटनेवाला
☐ 4. गिरह से काटनेवाला

Question ID : 630680256583
Option 1 ID : 630680996258
Option 2 ID : 630680996255
Option 3 ID : 630680996256
Option 4 ID : 630680996257

Q.10 वाक्य विन्यास की दृष्टि से शुद्ध वाक्य का चयन कीजिए--

- Ans
- ☒ 1. तुम्हारे पड़ोसी एक मात्र व्यक्ति हैं इस समय तुम्हारी सहायता करने वाले।
 - ☒ 2. एक मात्र व्यक्ति हैं इस समय तुम्हारे पड़ोसी तुम्हारी सहायता करने वाले।
 - ☒ 3. तुम्हारी सहायता करने वाले तुम्हारे पड़ोसी एक मात्र व्यक्ति हैं इस समय।
 - ☒ 4. इस समय तुम्हारे पड़ोसी तुम्हारी सहायता करने वाले एक मात्र व्यक्ति हैं।

Question ID : 630680256577
Option 1 ID : 630680996232
Option 2 ID : 630680996231
Option 3 ID : 630680996234
Option 4 ID : 630680996233

Q.11 दिए गए शब्दों में से सर्वोचित शब्द से वाक्य का रिक्त स्थान पूर्ण करें--

पुरानी 'कथा' की एक _____ विशेषता श्रावयिता-श्रोता अथवा किस्सागो और किस्सा सुनने वाले की आमने-सामने विद्यमानता होती थी।

- Ans
- ☒ 1. सामान्य
 - ☒ 2. आकस्मिक
 - ☒ 3. अनावश्यक
 - ☒ 4. अनिवार्य

Question ID : 630680256580
Option 1 ID : 630680996246
Option 2 ID : 630680996243
Option 3 ID : 630680996244
Option 4 ID : 630680996245

Q.12 निम्न में से शुद्ध लोकोक्ति का चयन कीजिए-

- Ans
- ☒ 1. अपनी टाँग कटे तो कटे दूसरों का सगुन तो बिगड़े
 - ☒ 2. अपनी ज़बान कटे तो कटे दूसरों का सगुन तो बिगड़े
 - ☒ 3. अपनी गर्दन कटे तो कटे दूसरों का सगुन तो बिगड़े
 - ☒ 4. अपनी नाक कटे तो कटे दूसरों का सगुन तो बिगड़े

Question ID : 630680256587
Option 1 ID : 630680996273
Option 2 ID : 630680996274
Option 3 ID : 630680996272
Option 4 ID : 630680996271

Q.13 उचित विदेशी शब्द से दिया गया वाक्य पूर्ण करें--

_____ की ज़िंदगी में कठिनाईयाँ बहुत अधिक होती हैं।

- Ans
- ☒ 1. स्त्रियों
 - ☒ 2. नारी
 - ☒ 3. औरतों
 - ☒ 4. महिलाओं

Question ID : 630680256590
Option 1 ID : 630680996284
Option 2 ID : 630680996286
Option 3 ID : 630680996285
Option 4 ID : 630680996283

Q.14 'यथाशीघ्र' में समास है-

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

Question ID : 630680256582
Option 1 ID : 630680996254
Option 2 ID : 630680996252
Option 3 ID : 630680996251
Option 4 ID : 630680996253

Q.15 जो आँखों से संबंधित हो।'

दिए गए वाक्यांश के लिए एक शब्द होगा--

- Ans ☐ 1. नेत्रांत
- ☐ 2. आँखा
- ☐ 3. आखत
- ☒ 4. चाक्षुष

Question ID : 630680256579
Option 1 ID : 630680996242
Option 2 ID : 630680996240
Option 3 ID : 630680996241
Option 4 ID : 630680996239

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

1929 की अमरीका की आर्थिक मंदी से वहाँ और दूसरे पूँजीवादी देशों में भी उत्पादन और विदेशी व्यापार में बहुत बड़ी गिरावट आयी। जनता की आर्थिक स्थिति खराब हो गई और बड़े पैमाने पर बेरोज़गारी फैली। दूसरी ओर सोवियत संघ में गिरावट ही नहीं आई बल्कि 1929 और 1936 के बीच पहली दो पंचवर्षीय योजनाओं से सोवियत संघ का औद्योगिक उत्पादन चार गुना से भी अधिक हो गया। विश्वव्यापी मंदी के कारण पूँजीवादी प्रणाली बदनाम हो गई और लोगों का ध्यान मार्क्सवाद, समाजवाद और आर्थिक योजना के विचार की ओर गया। जनता खासकर युवक, मज़दूर और किसान समाजवादी विचारों की ओर खिंचने लगे। राष्ट्रीय आंदोलन के आरम्भिक दिनों से ही उनका झुकाव निर्धन जनता की ओर था। 1917 की रुसी क्रांति के प्रभाव से , राजनीतिक मंच पर गाँधीजी के उदय से, तथा दूसरे और तीसरे दशकों में शक्तिशाली वामपंथी गुटों के बनने से यह प्रवृत्ति और मज़बूत हुई। कांग्रेस ने कराची अधिवेशन में जवाहरलाल नेहरू के आग्रह पर एक प्रस्ताव पारित किया। प्रस्ताव में जनता को मूल नागरिक अधिकारों, जाति, पंथ, लिंग के भेद के बिना क़ानून के आगे सबकी समानता, सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन ज़ोतों के लिए लगान माफ़ी, खेतिहरों के क़र्ज़ों में तथा सूदखोरों के नियंत्रण से राहत, जीवनयापन योग्य-मज़दूरी समेत मज़दूरों के लिए बेहतर दशाओं, महिला मज़दूरों के लिए काम के सीमित घंटों और सुरक्षा, मज़दूरों तथा किसानों के लिए संगठित होने और यूनियन बनाने के अधिकार तथा प्रमुख उद्योगों, खदानों और यातायात के साधनों पर राज्य का स्वामित्व या नियंत्रण जैसे वादे भी इस प्रस्ताव में किए गए थे। 1934 में आचार्य नरेंद्र देव तथा जयप्रकाश नारायण के नेतृत्व में 'कांग्रेस समाजवादी पार्टी' की स्थापना हुई। 1939 में सुभाषचंद्र बोस ने 'फ़ॉरवर्ड ब्लॉक' की स्थापना की।

SubQuestion No : 16

Q.16 कांग्रेस के कराची अधिवेशन के संदर्भ में असत्य है-

- Ans
- ✗ 1. जनता को मुफ्त एवं अनिवार्य शिक्षा मुहैया कराने का आश्वासन दिया गया।
 - ✓ 2. महिलाओं तथा पुरुषों के लिए भिन्न-भिन्न क़ानून बनाये जाने को मान्यता दी गई।
 - ✗ 3. इसमें जनता को मूल अधिकार प्रदान करने का प्रस्ताव रखा गया।
 - ✗ 4. सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव कराये जाने का प्रस्ताव पारित हुआ।

Question ID : 630680256595
Option 1 ID : 630680996302
Option 2 ID : 630680996301
Option 3 ID : 630680996299
Option 4 ID : 630680996300

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

1929 की अमरीका की आर्थिक मंदी से वहाँ और दूसरे पूँजीवादी देशों में भी उत्पादन और विदेशी व्यापार में बहुत बड़ी गिरावट आयी। जनता की आर्थिक स्थिति खराब हो गई और बड़े पैमाने पर बेरोज़गारी फैली। दूसरी ओर सोवियत संघ में गिरावट ही नहीं आई बल्कि 1929 और 1936 के बीच पहली दो पंचवर्षीय योजनाओं से सोवियत संघ का औद्योगिक उत्पादन चार गुना से भी अधिक हो गया। विश्वव्यापी मंदी के कारण पूँजीवादी प्रणाली बदनाम हो गई और लोगों का ध्यान मार्क्सवाद, समाजवाद और आर्थिक योजना के विचार की ओर गया। जनता खासकर युवक, मज़दूर और किसान समाजवादी विचारों की ओर खिंचने लगे। राष्ट्रीय आंदोलन के आरम्भिक दिनों से ही उनका झुकाव निर्धन जनता की ओर था। 1917 की रुसी क्रांति के प्रभाव से , राजनीतिक मंच पर गाँधीजी के उदय से, तथा दूसरे और तीसरे दशकों में शक्तिशाली वामपंथी गुटों के बनने से यह प्रवृत्ति और मज़बूत हुई। कांग्रेस ने कराची अधिवेशन में जवाहरलाल नेहरू के आग्रह पर एक प्रस्ताव पारित किया। प्रस्ताव में जनता को मूल नागरिक अधिकारों, जाति, पंथ, लिंग के भेद के बिना क़ानून के आगे सबकी समानता, सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन ज़ोतों के लिए लगान माफी, खेतिहरों के क़र्ज़ों में तथा सूदखोरों के नियंत्रण से राहत, जीवनयापन योग्य-मज़दूरी समेत मज़दूरों के लिए बेहतर दशाओं, महिला मज़दूरों के लिए काम के सीमित घंटों और सुरक्षा, मज़दूरों तथा किसानों के लिए संगठित होने और यूनियन बनाने के अधिकार तथा प्रमुख उद्योगों, खदानों और यातायात के साधनों पर राज्य का स्वामित्व या नियंत्रण जैसे वादे भी इस प्रस्ताव में किए गए थे। 1934 में आचार्य नरेंद्र देव तथा जयप्रकाश नारायण के नेतृत्व में 'कांग्रेस समाजवादी पार्टी' की स्थापना हुई। 1939 में सुभाषचंद्र बोस ने 'फ़ॉरवर्ड ब्लॉक' की स्थापना की।

SubQuestion No : 17

Q.17 फ़ॉरवर्ड ब्लॉक की स्थापना कब और किसने की?

- Ans
- ☒ 1. 1934, आचार्य नरेंद्र देव
 - ☒ 2. 1917, जयप्रकाश नारायण
 - ☒ 3. 1931, जवाहरलाल नेहरू
 - ☒ 4. 1939, सुभाषचंद्र बोस

Question ID : 630680256593
Option 1 ID : 630680996292
Option 2 ID : 630680996294
Option 3 ID : 630680996291
Option 4 ID : 630680996293

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

1929 की अमरीका की आर्थिक मंदी से वहाँ और दूसरे पूँजीवादी देशों में भी उत्पादन और विदेशी व्यापार में बहुत बड़ी गिरावट आयी। जनता की आर्थिक स्थिति खराब हो गई और बड़े पैमाने पर बेरोज़गारी फैली। दूसरी ओर सोवियत संघ में गिरावट ही नहीं आई बल्कि 1929 और 1936 के बीच पहली दो पंचवर्षीय योजनाओं से सोवियत संघ का औद्योगिक उत्पादन चार गुना से भी अधिक हो गया। विश्वव्यापी मंदी के कारण पूँजीवादी प्रणाली बदनाम हो गई और लोगों का ध्यान मार्क्सवाद, समाजवाद और आर्थिक योजना के विचार की ओर गया। जनता खासकर युवक, मज़दूर और किसान समाजवादी विचारों की ओर खिंचने लगे। राष्ट्रीय आंदोलन के आरम्भिक दिनों से ही उनका झुकाव निर्धन जनता की ओर था। 1917 की रूसी क्रांति के प्रभाव से , राजनीतिक मंच पर गाँधीजी के उदय से, तथा दूसरे और तीसरे दशकों में शक्तिशाली वामपंथी गुटों के बनने से यह प्रवृत्ति और मज़बूत हुई। कांग्रेस ने कराची अधिवेशन में जवाहरलाल नेहरू के आग्रह पर एक प्रस्ताव पारित किया। प्रस्ताव में जनता को मूल नागरिक अधिकारों, जाति, पंथ, लिंग के भेद के बिना क़ानून के आगे सबकी समानता, सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव तथा मुफ़्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफ़ी कमी, लाभहीन ज़ोतों के लिए लगान माफ़ी, खेतिहरों के क़र्ज़ों में तथा सूदखोरों के नियंत्रण से राहत, जीवनयापन योग्य-मज़दूरी समेत मज़दूरों के लिए बेहतर दशाओं, महिला मज़दूरों के लिए काम के सीमित घंटों और सुरक्षा, मज़दूरों तथा किसानों के लिए संगठित होने और यूनियन बनाने के अधिकार तथा प्रमुख उद्योगों, खदानों और यातायात के साधनों पर राज्य का स्वामित्व या नियंत्रण जैसे वादे भी इस प्रस्ताव में किए गए थे। 1934 में आचार्य नरेंद्र देव तथा जयप्रकाश नारायण के नेतृत्व में 'कांग्रेस समाजवादी पार्टी' की स्थापना हुई। 1939 में सुभाषचंद्र बोस ने 'फ़ॉरवर्ड ब्लॉक' की स्थापना की।

SubQuestion No : 18

Q.18 मार्क्सवाद और समाजवाद की ओर लोगों के उन्मुख होने का कारण निम्न में से नहीं था--

- Ans
1. 1929 और 1936 की रूस की पंचवर्षीय योजनाओं की सफलता।

2. मंदी के बावजूद भी रूस के औद्योगिक उत्पादन में चार गुना तक वृद्धि।

3. सोवियत संघ पर 1929 की अर्थिक मंदी का प्रभाव न पड़ना।

4. विश्वव्यापी मंदी के दौरान पूँजीवादी व्यवस्था की उपलब्धियों का उजागर होना।

Question ID : 630680256594

Option 1 ID : 630680996296

Option 2 ID : 630680996297

Option 3 ID : 630680996295

Option 4 ID : 630680996298

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

1929 की अमरीका की आर्थिक मंदी से वहाँ और दूसरे पूँजीवादी देशों में भी उत्पादन और विदेशी व्यापार में बहुत बड़ी गिरावट आयी। जनता की आर्थिक स्थिति खराब हो गई और बड़े पैमाने पर बेरोज़गारी फैली। दूसरी ओर सोवियत संघ में गिरावट ही नहीं आई बल्कि 1929 और 1936 के बीच पहली दो पंचवर्षीय योजनाओं से सोवियत संघ का औद्योगिक उत्पादन चार गुना से भी अधिक हो गया। विश्वव्यापी मंदी के कारण पूँजीवादी प्रणाली बदनाम हो गई और लोगों का ध्यान मार्क्सवाद, समाजवाद और आर्थिक योजना के विचार की ओर गया। जनता खासकर युवक, मज़दूर और किसान समाजवादी विचारों की ओर खिंचने लगे। राष्ट्रीय आंदोलन के आरम्भिक दिनों से ही उनका झुकाव निर्धन जनता की ओर था। 1917 की रुसी क्रांति के प्रभाव से , राजनीतिक मंच पर गाँधीजी के उदय से, तथा दूसरे और तीसरे दशकों में शक्तिशाली वामपंथी गुटों के बनने से यह प्रवृत्ति और मज़बूत हुई। कांग्रेस ने कराची अधिवेशन में जवाहरलाल नेहरू के आग्रह पर एक प्रस्ताव पारित किया। प्रस्ताव में जनता को मूल नागरिक अधिकारों, जाति, पंथ, लिंग के भेद के बिना क़ानून के आगे सबकी समानता, सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव तथा मुफ़्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन जोतों के लिए लगान माफ़ी, खेतिहरों के क़र्ज़ों में तथा सूदखोरों के नियंत्रण से राहत, जीवनयापन योग्य-मज़दूरी समेत मज़दूरों के लिए बेहतर दशाओं, महिला मज़दूरों के लिए काम के सीमित घंटों और सुरक्षा, मज़दूरों तथा किसानों के लिए संगठित होने और यूनियन बनाने के अधिकार तथा प्रमुख उद्योगों, खदानों और यातायात के साधनों पर राज्य का स्वामित्व या नियंत्रण जैसे वादे भी इस प्रस्ताव में किए गए थे। 1934 में आचार्य नरेंद्र देव तथा जयप्रकाश नारायण के नेतृत्व में 'कांग्रेस समाजवादी पार्टी' की स्थापना हुई। 1939 में सुभाषचंद्र बोस ने 'फ़ॉरवर्ड ब्लॉक' की स्थापना की।

SubQuestion No : 19

Q.19 कराची अधिवेशन में किसानों तथा मज़दूरों के लिए पारित किये गये प्रस्तावों के संबंध में असत्य है-

- Ans
- ☒ 1. लगान व मालगुज़ारी में काफी कमी करने का प्रस्ताव रखा गया।
 - ☒ 2. मज़दूरों के लिए न्यूनतम मज़दूरी सहित कार्य करने की बेहतर दशा और वातावरण प्रदान किये जाने का प्रस्ताव रखा गया।
 - ☒ 3. लाभहीन तथा बंजर जोतों के लिए भी समान लगान निर्धारित किये जाने का प्रस्ताव रखा गया।
 - ☒ 4. मज़दूरों तथा किसानों के संगठनों को उनके हित में कार्य करने की स्वतंत्रता प्रदान करने का प्रस्ताव रखा गया।

Question ID : 630680256596
Option 1 ID : 630680996303
Option 2 ID : 630680996304
Option 3 ID : 630680996305
Option 4 ID : 630680996306

Comprehension:

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर दीजिए।

1929 की अमरीका की आर्थिक मंदी से वहाँ और दूसरे पूँजीवादी देशों में भी उत्पादन और विदेशी व्यापार में बहुत बड़ी गिरावट आयी। जनता की आर्थिक स्थिति खराब हो गई और बड़े पैमाने पर बेरोज़गारी फैली। दूसरी ओर सोवियत संघ में गिरावट ही नहीं आई बल्कि 1929 और 1936 के बीच पहली दो पंचवर्षीय योजनाओं से सोवियत संघ का औद्योगिक उत्पादन चार गुना से भी अधिक हो गया। विश्वव्यापी मंदी के कारण पूँजीवादी प्रणाली बदनाम हो गई और लोगों का ध्यान मार्क्सवाद, समाजवाद और आर्थिक योजना के विचार की ओर गया। जनता खासकर युवक, मज़दूर और किसान समाजवादी विचारों की ओर खिंचने लगे। राष्ट्रीय आंदोलन के आरम्भिक दिनों से ही उनका झुकाव निर्धन जनता की ओर था। 1917 की रूसी क्रांति के प्रभाव से , राजनीतिक मंच पर गाँधीजी के उदय से, तथा दूसरे और तीसरे दशकों में शक्तिशाली वामपंथी गुटों के बनने से यह प्रवृत्ति और मज़बूत हुई। कांग्रेस ने कराची अधिवेशन में जवाहरलाल नेहरू के आग्रह पर एक प्रस्ताव पारित किया। प्रस्ताव में जनता को मूल नागरिक अधिकारों, जाति, पंथ, लिंग के भेद के बिना क़ानून के आगे सबकी समानता, सार्वभौमिक बालिग़ मताधिकार के आधार पर चुनाव तथा मुफ़्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन ज़ोतों के लिए लगान माफ़ी, खेतिहरों के क़र्ज़ों में तथा सूदखोरों के नियंत्रण से राहत, जीवनयापन योग्य-मज़दूरी समेत मज़दूरों के लिए बेहतर दशाओं, महिला मज़दूरों के लिए काम के सीमित घंटों और सुरक्षा, मज़दूरों तथा किसानों के लिए संगठित होने और यूनियन बनाने के अधिकार तथा प्रमुख उद्योगों, खदानों और यातायात के साधनों पर राज्य का स्वामित्व या नियंत्रण जैसे वादे भी इस प्रस्ताव में किए गए थे। 1934 में आचार्य नरेंद्र देव तथा जयप्रकाश नारायण के नेतृत्व में 'कांग्रेस समाजवादी पार्टी' की स्थापना हुई। 1939 में सुभाषचंद्र बोस ने 'फ़ॉरवर्ड ब्लॉक' की स्थापना की।

SubQuestion No : 20

Q.20 1929 की अमरीका की आर्थिक मंदी का क्या प्रभाव नहीं पड़ा?

- Ans ☒ 1. बड़े पैमाने पर बेरोज़गारी की समस्या उत्पन्न हुई।
- ☒ 2. विदेशी व्यापार में भी कमी देखी गई।
- ☒ 3. अमरीका तथा दूसरे पूँजीवादी देशों में उत्पादन में गिरावट आयी।
- ☒ 4. जनता की आर्थिक स्थिति सुदृढ़ हुई।

Question ID : 630680256592
Option 1 ID : 630680996290
Option 2 ID : 630680996288
Option 3 ID : 630680996287
Option 4 ID : 630680996289

Section : Discipline 1

Q.1 In order to move objects in computer graphics that generate animation effects which of the following is necessary?

- Ans ☒ 1. Various transformation operations
- ☒ 2. Line rasterisation sequencing
- ☒ 3. Phong model of lighting
- ☒ 4. Eigen value computations

Question ID : 630680256670
Option 1 ID : 630680996599
Option 2 ID : 630680996601
Option 3 ID : 630680996600
Option 4 ID : 630680996602

Q.2 _____ is the standard that defines how web servers and application programs communicate.

- Ans
- ✗ 1. JDBC
 - ✗ 2. ODBC
 - ✗ 3. CGI
 - ✓ 4. HTTP

Question ID : 630680256637
Option 1 ID : 630680996467
Option 2 ID : 630680996469
Option 3 ID : 630680996468
Option 4 ID : 630680996470

Q.3 The _____ design is high-abstraction version of a system that is followed by _____ design that breaks the concept into less-abstracted view of sub-systems and later the _____ design showcases the implementation at module-level.

- Ans
- ✗ 1. detailed, system, architectural
 - ✗ 2. detailed, architectural, system
 - ✗ 3. architectural, detailed, system
 - ✓ 4. system, architectural, detailed

Question ID : 630680256672
Option 1 ID : 630680996607
Option 2 ID : 630680996608
Option 3 ID : 630680996610
Option 4 ID : 630680996609

Q.4 Within software engineering, which prescriptive model is INCOMPATIBLE with circumstances in which the requirements alter throughout development?

- Ans
- ✓ 1. Linear models
 - ✗ 2. Evolutionary models
 - ✗ 3. Agile models
 - ✗ 4. Incremental models

Question ID : 630680256642
Option 1 ID : 630680996488
Option 2 ID : 630680996489
Option 3 ID : 630680996490
Option 4 ID : 630680996487

Q.5 Represent $(743)_8$ in grey code.

- Ans
- ✓ 1. 100010010
 - ✗ 2. 101011101
 - ✗ 3. 110100000
 - ✗ 4. 100010000

Question ID : 630680256619
Option 1 ID : 630680996396
Option 2 ID : 630680996395
Option 3 ID : 630680996397
Option 4 ID : 630680996398

Q.6 Which of the following is a translator that translates source code into object target code?

- Ans
- ✗ 1. Language processor
 - ✗ 2. Interpreter
 - ✓ 3. Compiler
 - ✗ 4. Assembler

Question ID : 630680256612
Option 1 ID : 630680996370
Option 2 ID : 630680996369
Option 3 ID : 630680996367
Option 4 ID : 630680996368

Q.7 A fixed sum that is paid by customers for a service, typically on a monthly, quarterly or annual basis, is called _____ in electronic commerce.

- Ans
- ✗ 1. licensing
 - ✗ 2. affiliate
 - ✗ 3. marketing
 - ✓ 4. subscription

Question ID : 630680256660
Option 1 ID : 630680996561
Option 2 ID : 630680996562
Option 3 ID : 630680996559
Option 4 ID : 630680996560

Q.8 Which architecture is the most energy efficient?

- Ans
- ☐ 1. CISC
 - ☐ 2. IANA
 - ☐ 3. ISA
 - ☒ 4. RISC

Question ID : 630680256626
Option 1 ID : 630680996425
Option 2 ID : 630680996424
Option 3 ID : 630680996423
Option 4 ID : 630680996426

Q.9 Which phenomenon causes a phase shift in the retardation plates?

- Ans
- ☐ 1. Phasor plates
 - ☐ 2. Retardation plates
 - ☐ 3. Polaroid filters
 - ☒ 4. Double refraction

Question ID : 630680256615
Option 1 ID : 630680996381
Option 2 ID : 630680996380
Option 3 ID : 630680996382
Option 4 ID : 630680996379

Q.10 What is the best case and worst-case complexity of selection sort?

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

Question ID : 630680256661
Option 1 ID : 630680996566
Option 2 ID : 630680996564
Option 3 ID : 630680996565
Option 4 ID : 630680996563

Q.11 _____ is the handover from a satellite network to a terrestrial cellular network.

- Ans
- ☐ 1. Gateway handover
 - ☐ 2. Inter satellite handover
 - ☒ 3. Inter system handover
 - ☐ 4. Intra satellite handover

Question ID : 630680256668
Option 1 ID : 630680996593
Option 2 ID : 630680996592
Option 3 ID : 630680996594
Option 4 ID : 630680996591

Q.12 The series $\sum \frac{1}{\sqrt[n]{n^2}}$ is:

- Ans
- ☐ 1. None of the given options
 - ☐ 2. divergent
 - ☐ 3. oscillatory convergent
 - ☒ 4. convergent

Question ID : 630680256597
Option 1 ID : 630680996310
Option 2 ID : 630680996309
Option 3 ID : 630680996307
Option 4 ID : 630680996308

Q.13 Which method creates interpolants that are softer?

- Ans
- ☐ 1. Polynomial and spline interpolation
 - ☒ 2. Piecewise constant interpolation
 - ☐ 3. Polynomial interpolation
 - ☐ 4. Linear interpolation and spline interpolation

Question ID : 630680256685
Option 1 ID : 630680996662
Option 2 ID : 630680996659
Option 3 ID : 630680996661
Option 4 ID : 630680996660

Q.14 Which of the following are networking transport layer protocols?

- Ans
- ☐ 1. FTP and DNS
 - ☐ 2. Telnet and ICMP
 - ☒ 3. TCP, UDP and SCTP
 - ☐ 4. ARP and RARP

Question ID : 630680256632
Option 1 ID : 630680996447
Option 2 ID : 630680996450
Option 3 ID : 630680996449
Option 4 ID : 630680996448

Q.15 Which transition generates laser output in CO₂ molecule?

- Ans
- ☒ 1. Vibrational states
 - ☐ 2. Pulsed output
 - ☐ 3. Molecular states
 - ☐ 4. Energy states

Question ID : 630680256617
Option 1 ID : 630680996387
Option 2 ID : 630680996390
Option 3 ID : 630680996388
Option 4 ID : 630680996389

Q.16 _____ activities are at the very core of project completion work tasks, whereas _____ activities are not mandatory.

- Ans
- ☐ 1. Requirements, arbitrary
 - ☐ 2. Framework, umbrella
 - ☒ 3. Functional, non-functional
 - ☐ 4. Non-functional, functional

Question ID : 630680256643
Option 1 ID : 630680996492
Option 2 ID : 630680996494
Option 3 ID : 630680996491
Option 4 ID : 630680996493

Q.17 Which of the following is frequently used to ensure that data is correctly entered into a computer?

- Ans
- ✓ 1. Keyboards
 - ✗ 2. Speakers
 - ✗ 3. Input controls
 - ✗ 4. Digitisers

Question ID : 630680256610
Option 1 ID : 630680996362
Option 2 ID : 630680996359
Option 3 ID : 630680996361
Option 4 ID : 630680996360

Q.18 The most common type of business organisation is:

- Ans
- ✗ 1. partnership
 - ✓ 2. sole proprietorship
 - ✗ 3. NGO
 - ✗ 4. corporation

Question ID : 630680256602
Option 1 ID : 630680996327
Option 2 ID : 630680996329
Option 3 ID : 630680996328
Option 4 ID : 630680996330

Q.19 An operating system completely releases the memory allocated to a process after the process transitions from which of the following states?

- Ans
- ✗ 1. Sleeping to ready
 - ✗ 2. Ready to running
 - ✓ 3. Running to terminated
 - ✗ 4. Running to sleeping

Question ID : 630680256647
Option 1 ID : 630680996509
Option 2 ID : 630680996507
Option 3 ID : 630680996508
Option 4 ID : 630680996510

Q.20 Which of the following is used to define the structure of a relation as well as delete relations and relate schemas?

- Ans
- ☐ 1. Integrity constraint
 - ☐ 2. View
 - ☐ 3. DML (Data Manipulation Language)
 - ☒ 4. DDL (Data Definition Language)

Question ID : 630680256622
Option 1 ID : 630680996409
Option 2 ID : 630680996410
Option 3 ID : 630680996407
Option 4 ID : 630680996408

Section : Discipline 2

Q.1 Which of the following comes under applied mathematics?

- Ans
- ☐ 1. Information processing
 - ☒ 2. Operations research
 - ☐ 3. Management accounting
 - ☐ 4. Organisation

Question ID : 630680256665
Option 1 ID : 630680996579
Option 2 ID : 630680996582
Option 3 ID : 630680996580
Option 4 ID : 630680996581

Q.2 _____ reads XML documents and provides access to their content and structure.

- Ans
- ☐ 1. XML schema
 - ☐ 2. XML pre-processor
 - ☒ 3. XML processor
 - ☐ 4. XML codes

Question ID : 630680256676
Option 1 ID : 630680996624
Option 2 ID : 630680996626
Option 3 ID : 630680996625
Option 4 ID : 630680996623

Q.3 An individual's shared experience results in _____.

- Ans
- ☐ 1. systematic knowledge
 - ☐ 2. shared knowledge
 - ☒ 3. tacit knowledge
 - ☐ 4. tacit knowledge, systematic knowledge and shared knowledge

Question ID : 630680256677
Option 1 ID : 630680996628
Option 2 ID : 630680996629
Option 3 ID : 630680996627
Option 4 ID : 630680996630

Q.4 What are the data structures categorised as a linear list?

- Ans
- ☐ 1. Binary tree
 - ☐ 2. Graphs
 - ☐ 3. Circular queue
 - ☒ 4. Array

Question ID : 630680256609
Option 1 ID : 630680996355
Option 2 ID : 630680996356
Option 3 ID : 630680996358
Option 4 ID : 630680996357

Q.5 Which qualitative statistic is difficult to quantify precisely?

- Ans
- ☐ 1. Model
 - ☐ 2. Infrastructure
 - ☒ 3. Value
 - ☐ 4. Decision making

Question ID : 630680256666
Option 1 ID : 630680996586
Option 2 ID : 630680996584
Option 3 ID : 630680996583
Option 4 ID : 630680996585

Q.6 BTS stands for _____.

- Ans
- ☒ 1. Base Transfer Station
 - ☒ 2. Base Transceiver Station
 - ☒ 3. Basic Transfer System
 - ☒ 4. Basic Transceiver Station

Question ID : 630680256667
Option 1 ID : 630680996587
Option 2 ID : 630680996589
Option 3 ID : 630680996590
Option 4 ID : 630680996588

Q.7 Which of the following statements is FALSE?

- Ans
- ☒ 1. Final methods can be overridden.
 - ☒ 2. "static public void main(String...abcd){}" is a valid statement.
 - ☒ 3. Abstract classes cannot be instantiated.
 - ☒ 4. Interface allows default method definitions.

Question ID : 630680256646
Option 1 ID : 630680996503
Option 2 ID : 630680996506
Option 3 ID : 630680996504
Option 4 ID : 630680996505

Q.8 What is the lifetime of an atom's ground state in Stimulated Absorption?

- Ans
- ☒ 1. 2 minutes
 - ☒ 2. 11 hours
 - ☒ 3. 5 seconds
 - ☒ 4. Infinity

Question ID : 630680256616
Option 1 ID : 630680996384
Option 2 ID : 630680996385
Option 3 ID : 630680996383
Option 4 ID : 630680996386

Q.9 The default file system type in Linux is:

- Ans
- ☐ 1. Ext3
 - ☐ 2. Ext1
 - ☒ 3. Ext4
 - ☐ 4. Ext2

Question ID : 630680256657
Option 1 ID : 630680996549
Option 2 ID : 630680996547
Option 3 ID : 630680996550
Option 4 ID : 630680996548

Q.10 How many INVALID input combinations occur at the input of a BCD adder?

- Ans
- ☐ 1. 58
 - ☐ 2. 56
 - ☒ 3. 156
 - ☐ 4. 256

Question ID : 630680256620
Option 1 ID : 630680996401
Option 2 ID : 630680996400
Option 3 ID : 630680996402
Option 4 ID : 630680996399

Q.11 The internet layer in TCP/IP model is associated with _____ data.

- Ans
- ☐ 1. segments
 - ☐ 2. frames
 - ☐ 3. bytes
 - ☒ 4. packets

Question ID : 630680256623
Option 1 ID : 630680996412
Option 2 ID : 630680996411
Option 3 ID : 630680996414
Option 4 ID : 630680996413

Q.12 What will the output of the following code snippet be?

```
<script>
document.write ("Hello")
document.write ("\nIndia")
</script>
```

- Ans
- ☒ 1. Hello
 - ☒ 2. HelloIndia
 - ☒ 3. India
 - ☒ 4. Hello India

Question ID : 630680256675
Option 1 ID : 630680996622
Option 2 ID : 630680996621
Option 3 ID : 630680996619
Option 4 ID : 630680996620

Q.13 Which of the following is an example of an output device?

- Ans
- ☒ 1. Mouse
 - ☒ 2. Light pen
 - ☒ 3. Keyboard
 - ☒ 4. Visual Display Unit

Question ID : 630680256606
Option 1 ID : 630680996345
Option 2 ID : 630680996346
Option 3 ID : 630680996343
Option 4 ID : 630680996344

Q.14 What makes a database a relational database?

- Ans
- ☒ 1. Tables
 - ☒ 2. Field
 - ☒ 3. Records
 - ☒ 4. Tuple

Question ID : 630680256621
Option 1 ID : 630680996406
Option 2 ID : 630680996404
Option 3 ID : 630680996403
Option 4 ID : 630680996405

Q.15 Which type of computer program acts as a bridge between a computer user and the computer hardware?

- Ans
- ☐ 1. Random Access Memory
 - ☐ 2. User thread
 - ☒ 3. Operating system
 - ☐ 4. Kernel

Question ID : 630680256607
Option 1 ID : 630680996347
Option 2 ID : 630680996348
Option 3 ID : 630680996350
Option 4 ID : 630680996349

Q.16 _____ is also referred to as the Sales-Force-Composite method or the Collective Opinion Method.

- Ans
- ☐ 1. Consumer interview method
 - ☐ 2. Substitute approach
 - ☐ 3. Evolutionary approach
 - ☒ 4. Opinion survey

Question ID : 630680256651
Option 1 ID : 630680996523
Option 2 ID : 630680996524
Option 3 ID : 630680996526
Option 4 ID : 630680996525

Q.17 Which of the following DBMS scenarios will NOT really follow Armstrong's Axiom?

- Ans
- ☐ 1. Reflexivity rule
 - ☒ 2. Pseudo transitivity rule
 - ☐ 3. Transitivity rule
 - ☐ 4. Armstrong's axioms

Question ID : 630680256686
Option 1 ID : 630680996665
Option 2 ID : 630680996663
Option 3 ID : 630680996666
Option 4 ID : 630680996664

Q.18 In a management information system, what is/are the formal social unit that is/are devoted to attaining specified goals?

- Ans
- ☐ 1. Organisation, management and marketing
 - ☒ 2. Organisation
 - ☐ 3. Management
 - ☐ 4. Marketing

Question ID : 630680256664
Option 1 ID : 630680996578
Option 2 ID : 630680996575
Option 3 ID : 630680996576
Option 4 ID : 630680996577

Q.19 What is effective desire?

- Ans
- ☐ 1. Demand
 - ☒ 2. Consumption
 - ☐ 3. Calculus
 - ☐ 4. Utility

Question ID : 630680256649
Option 1 ID : 630680996518
Option 2 ID : 630680996515
Option 3 ID : 630680996517
Option 4 ID : 630680996516

Q.20 In a global system of world-wide computer networks, interconnection is essential for which purpose of computations?

- Ans
- ☐ 1. Market data analysis
 - ☒ 2. Messages for communication
 - ☐ 3. Sharing files of different types
 - ☐ 4. Data for transactions

Question ID : 630680256673
Option 1 ID : 630680996614
Option 2 ID : 630680996613
Option 3 ID : 630680996612
Option 4 ID : 630680996611

Q.1 _____ primarily deals with buying and selling, particularly on a large scale.

- Ans ☒ 1. Commerce
☒ 2. Finance
☒ 3. Supply chain
☒ 4. Distribution

Question ID : 630680256658
Option 1 ID : 630680996552
Option 2 ID : 630680996553
Option 3 ID : 630680996554
Option 4 ID : 630680996551

Q.2 Memory that does not change its contents due to external causes is referred to as:

- Ans ☒ 1. dynamic memory
☒ 2. fixed memory
☒ 3. static memory
☒ 4. temporary memory

Question ID : 630680256611
Option 1 ID : 630680996365
Option 2 ID : 630680996363
Option 3 ID : 630680996366
Option 4 ID : 630680996364

Q.3 What will the output of the given program be?

```
#include<stdio.h>
main()
{
    printf(6+"Hello World\n");
}
```

- Ans ☒ 1. 6Hello World
☒ 2. Compilation error
☒ 3. World
☒ 4. Hello

Question ID : 630680256682
Option 1 ID : 630680996650
Option 2 ID : 630680996649
Option 3 ID : 630680996648
Option 4 ID : 630680996647

Q.4 In which of the following directories are the configuration files found?

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

Question ID : 630680256656
Option 1 ID : 630680996544
Option 2 ID : 630680996543
Option 3 ID : 630680996546
Option 4 ID : 630680996545

Q.5 Which probability calculus of views obeys particular rules?

- Ans
- ☐ 1. Standard deviation
 - ☐ 2. Variance
 - ☒ 3. Bayesian probability
 - ☐ 4. Frequency probability

Question ID : 630680256601
Option 1 ID : 630680996324
Option 2 ID : 630680996325
Option 3 ID : 630680996326
Option 4 ID : 630680996323

Q.6 The _____ E-commerce segment(s) is/are represented by OLX.

- Ans
- ☐ 1. C2C, B2C and B2B
 - ☐ 2. B2B
 - ☒ 3. C2C
 - ☐ 4. B2C

Question ID : 630680256659
Option 1 ID : 630680996558
Option 2 ID : 630680996557
Option 3 ID : 630680996555
Option 4 ID : 630680996556

Q.7 _____ is the address of the current tunnel endpoint for MN that can be chosen via DHCP.

- Ans
- ✓ 1. FA
 - ✗ 2. COA
 - ✗ 3. HA
 - ✗ 4. CN

Question ID : 630680256669
Option 1 ID : 630680996595
Option 2 ID : 630680996596
Option 3 ID : 630680996597
Option 4 ID : 630680996598

Q.8 Interpolation is carried out using data from:

- Ans
- ✗ 1. regression analysis
 - ✗ 2. curve fitting and regression analysis
 - ✗ 3. linear interpolation
 - ✓ 4. curve fitting and linear analysis

Question ID : 630680256683
Option 1 ID : 630680996651
Option 2 ID : 630680996652
Option 3 ID : 630680996654
Option 4 ID : 630680996653

Q.9 Which of the following are the most essential components a computer system uses for communication over internet?

- Ans
- ✗ 1. Applications and mouse
 - ✗ 2. Monitor and keyboard
 - ✓ 3. NIC and TCP/IP
 - ✗ 4. Camera and microphone

Question ID : 630680256674
Option 1 ID : 630680996617
Option 2 ID : 630680996615
Option 3 ID : 630680996618
Option 4 ID : 630680996616

Q.10 Who invented the probability definition?

- Ans
- ✓ 1. Simon Laplace
 - ✗ 2. Euclid
 - ✗ 3. None of the given answer
 - ✗ 4. Einstein

Question ID : 630680256599
Option 1 ID : 630680996315
Option 2 ID : 630680996317
Option 3 ID : 630680996318
Option 4 ID : 630680996316

Q.11 A particular organisation or industry's most successful solutions or problem-solving methods are called _____.

- Ans
- ✗ 1. knowledge warehouse
 - ✓ 2. knowledge management
 - ✗ 3. organisational learning
 - ✗ 4. best practices

Question ID : 630680256678
Option 1 ID : 630680996633
Option 2 ID : 630680996632
Option 3 ID : 630680996634
Option 4 ID : 630680996631

Q.12 Which of the following accounts is/are prepared for net profit?

- Ans
- ✓ 1. Profit and loss account
 - ✗ 2. Trading account, profit and loss account and balance sheet
 - ✗ 3. Trading account
 - ✗ 4. Balance sheet

Question ID : 630680256639
Option 1 ID : 630680996476
Option 2 ID : 630680996478
Option 3 ID : 630680996475
Option 4 ID : 630680996477

Q.13 _____ and _____ views cannot be framed together for rendering a computer visual appropriately.

- Ans
- ✓ 1. Orthogonal projection, horizontal view
 - ✗ 2. Vertical view, rear projection
 - ✗ 3. Front-side, rear-side
 - ✗ 4. Parallel projection, perspective projection

Question ID : 630680256671
Option 1 ID : 630680996605
Option 2 ID : 630680996606
Option 3 ID : 630680996603
Option 4 ID : 630680996604

Q.14 Communication between an application program and a database server occur via:

- Ans
- ✓ 1. ODBC OR JDBC
 - ✗ 2. API
 - ✗ 3. web server
 - ✗ 4. HTTP

Question ID : 630680256636
Option 1 ID : 630680996464
Option 2 ID : 630680996466
Option 3 ID : 630680996463
Option 4 ID : 630680996465

Q.15 In C, variable list arguments are denoted by the standard header:

- Ans
- ✗ 1. <unistd.h>
 - ✗ 2. <string.h>
 - ✓ 3. <stdio.h>
 - ✗ 4. <stdarg.h>

Question ID : 630680256680
Option 1 ID : 630680996642
Option 2 ID : 630680996641
Option 3 ID : 630680996639
Option 4 ID : 630680996640

Q.16 Which of the following algorithm design techniques is used in the merge sort algorithm * Mcq?

- Ans
- ☒ 1. Greedy algorithm
 - ☒ 2. Backtracking
 - ☒ 3. Divide and conquer
 - ☒ 4. Divide and conquer, backtracking and greedy algorithm

Question ID : 630680256662
Option 1 ID : 630680996569
Option 2 ID : 630680996568
Option 3 ID : 630680996567
Option 4 ID : 630680996570

Q.17 Identify the command that is used to delete files in Linux.

- Ans
- ☒ 1. rm
 - ☒ 2. Rmdir
 - ☒ 3. Delete
 - ☒ 4. Rdir

Question ID : 630680256655
Option 1 ID : 630680996541
Option 2 ID : 630680996539
Option 3 ID : 630680996542
Option 4 ID : 630680996540

Q.18 Identify the generic probability density function that corresponds with discrete random variables.

- Ans
- ☒ 1. Cumulative distribution
 - ☒ 2. Gaussian distribution
 - ☒ 3. Poisson distribution
 - ☒ 4. Rayleigh distribution

Question ID : 630680256600
Option 1 ID : 630680996320
Option 2 ID : 630680996322
Option 3 ID : 630680996321
Option 4 ID : 630680996319

Q.19 The _____ interpolation method is used in probability theory and statistics, and the Gaussian process is one example.

- Ans
- ☐ 1. linear
 - ☐ 2. polynomial
 - ☐ 3. spline
 - ☒ 4. nonlinear

Question ID : 630680256684
Option 1 ID : 630680996657
Option 2 ID : 630680996658
Option 3 ID : 630680996656
Option 4 ID : 630680996655

Q.20 _____ and _____ are used in conjunction for making a complete process subroutine.

- Ans
- ☒ 1. fork(), join()
 - ☐ 2. fork(), sleep()
 - ☐ 3. sleep(), join()
 - ☐ 4. join(), fork()

Question ID : 630680256648
Option 1 ID : 630680996512
Option 2 ID : 630680996513
Option 3 ID : 630680996511
Option 4 ID : 630680996514

Section : Discipline 4

Q.1 Find a unit vector normal to the surface $x^3 + y^3 + 3xyz = 3$ at the point (1,2,-1).

- Ans
- ☐ 1. $\frac{1}{\sqrt{2}}(\hat{i} - 3\hat{j} - 2\hat{k})$
 - ☐ 2. $\frac{1}{\sqrt{14}}(\hat{i} - 3\hat{j} + 2\hat{k})$
 - ☒ 3. $\frac{1}{\sqrt{14}}(-\hat{i} + 3\hat{j} + 2\hat{k})$
 - ☐ 4. $(\hat{i} + 3\hat{j} + 2\hat{k})$

Question ID : 630680256598
Option 1 ID : 630680996314
Option 2 ID : 630680996313
Option 3 ID : 630680996311
Option 4 ID : 630680996312

Q.2 Which of the following is NOT a network layer function?

- Ans
- ☒ 1. Error control and flow control
 - ☐ 2. Intra-routing
 - ☐ 3. Routing
 - ☐ 4. Congestion control

Question ID : 630680256625
Option 1 ID : 630680996420
Option 2 ID : 630680996421
Option 3 ID : 630680996422
Option 4 ID : 630680996419

Q.3 scanf() is a predefined function in which of the following header files?

- Ans
- ☐ 1. ctype. h
 - ☒ 2. stdio. h
 - ☐ 3. unistd.h
 - ☐ 4. string.h

Question ID : 630680256681
Option 1 ID : 630680996644
Option 2 ID : 630680996643
Option 3 ID : 630680996645
Option 4 ID : 630680996646

Q.4 A public company must have at least _____ members.

- Ans
- ☐ 1. 14
 - ☒ 2. 7
 - ☐ 3. 2
 - ☐ 4. 3

Question ID : 630680256604
Option 1 ID : 630680996336
Option 2 ID : 630680996335
Option 3 ID : 630680996338
Option 4 ID : 630680996337

Q.5 _____ are a set of computer programs with necessary documentation.

- Ans
- ☐ 1. Relative programs
 - ☒ 2. Software packages
 - ☐ 3. File packages
 - ☐ 4. Application programs

Question ID : 630680256605
Option 1 ID : 630680996342
Option 2 ID : 630680996339
Option 3 ID : 630680996340
Option 4 ID : 630680996341

Q.6 Which of the following 4-byte IP addresses are used for internet protocol layer?

- Ans
- ☐ 1. Network address and port address
 - ☐ 2. Network address and MAC address
 - ☒ 3. Network address and host address
 - ☐ 4. Host address and port address

Question ID : 630680256624
Option 1 ID : 630680996418
Option 2 ID : 630680996416
Option 3 ID : 630680996415
Option 4 ID : 630680996417

Q.7 Communication between end systems is encrypted using a key that is commonly referred to as a:

- Ans
- ☐ 1. single key
 - ☒ 2. session key
 - ☐ 3. private key
 - ☐ 4. public key

Question ID : 630680256631
Option 1 ID : 630680996446
Option 2 ID : 630680996444
Option 3 ID : 630680996443
Option 4 ID : 630680996445

Q.8 A computer bus line is made up of which of the following components?

- Ans
- ☐ 1. Registers
 - ☒ 2. Set of parallel lines
 - ☐ 3. Accumulators
 - ☐ 4. RAM and ROM

Question ID : 630680256628
Option 1 ID : 630680996434
Option 2 ID : 630680996432
Option 3 ID : 630680996431
Option 4 ID : 630680996433

Q.9 Does polarisation vary with direction?

- Ans
- ☐ 1. Polarising axis
 - ☒ 2. Transverse wave
 - ☐ 3. Propagating axis
 - ☐ 4. Pass axis

Question ID : 630680256614
Option 1 ID : 630680996377
Option 2 ID : 630680996376
Option 3 ID : 630680996375
Option 4 ID : 630680996378

Q.10 Which of the following business structures has limited liability to its members?

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

Question ID : 630680256603
Option 1 ID : 630680996332
Option 2 ID : 630680996331
Option 3 ID : 630680996333
Option 4 ID : 630680996334

Q.11 According to business economics, the growth of an existing product is used to estimate the demand for a new product using:

- Ans
- ☐ 1. growth curve approach
 - ☐ 2. vicarious approach
 - ☒ 3. substitute approach
 - ☐ 4. opinion polling approach

Question ID : 630680256652
Option 1 ID : 630680996530
Option 2 ID : 630680996528
Option 3 ID : 630680996529
Option 4 ID : 630680996527

Q.12 Identify the descending order of strict access protection.

- Ans
- ☐ 1. Public, protected, private, package
 - ☒ 2. Private, protected, package, public
 - ☐ 3. Public, private, protected, package
 - ☐ 4. Private, package, protected, public

Question ID : 630680256645
Option 1 ID : 630680996500
Option 2 ID : 630680996502
Option 3 ID : 630680996499
Option 4 ID : 630680996501

Q.13 The process of verifying a user's identity is called:

- Ans
- ☐ 1. integrity
 - ☒ 2. authentication
 - ☐ 3. validation
 - ☐ 4. confidentiality

Question ID : 630680256629
Option 1 ID : 630680996435
Option 2 ID : 630680996436
Option 3 ID : 630680996438
Option 4 ID : 630680996437

Q.14 Which method is used for demand forecasting of new products?

Ans ☒ 1. Evolutionary approach, opinion polling approach and vicarious approach

☒ 2. Opinion polling approach

☒ 3. Evolutionary approach

☒ 4. Vicarious approach

Question ID : 630680256650

Option 1 ID : 630680996522

Option 2 ID : 630680996520

Option 3 ID : 630680996519

Option 4 ID : 630680996521

Q.15 _____ are a database applications' universal front end that connects to the back end via the internet.

Ans ☒ 1. Web browsers

☒ 2. Web server

☒ 3. Software programs

☒ 4. Web application

Question ID : 630680256635

Option 1 ID : 630680996461

Option 2 ID : 630680996460

Option 3 ID : 630680996459

Option 4 ID : 630680996462

Q.16 Which command is used to remove a directory in Linux?

Ans ☒ 1. Rm

☒ 2. Delete

☒ 3. Erase

☒ 4. Rm, Delete and Erase

Question ID : 630680256654

Option 1 ID : 630680996535

Option 2 ID : 630680996536

Option 3 ID : 630680996537

Option 4 ID : 630680996538

Q.17 Which layer is responsible for sending data as a bit stream?

- Ans
- ☐ 1. Presentation layer
 - ☐ 2. Network layer
 - ☐ 3. Physical layer
 - ☒ 4. Data link layer

Question ID : 630680256633
Option 1 ID : 630680996451
Option 2 ID : 630680996454
Option 3 ID : 630680996453
Option 4 ID : 630680996452

Q.18 What is the average case time complexity of merge sort?

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

Question ID : 630680256663
Option 1 ID : 630680996573
Option 2 ID : 630680996574
Option 3 ID : 630680996571
Option 4 ID : 630680996572

Q.19 The information transformed during encryption is _____.

- Ans
- ☐ 1. encrypted message
 - ☐ 2. coded message
 - ☐ 3. cipher text
 - ☒ 4. plain text

Question ID : 630680256630
Option 1 ID : 630680996442
Option 2 ID : 630680996440
Option 3 ID : 630680996439
Option 4 ID : 630680996441

Q.20 The construction of computer-generated simulations that simulate real-world activities using interactive graphics software and hardware is called:

- Ans
- ✓ 1. virtual reality systems
 - ✗ 2. hybrid systems
 - ✗ 3. genetic algorithms
 - ✗ 4. fuzzy neural networks

Question ID : 630680256679
Option 1 ID : 630680996638
Option 2 ID : 630680996637
Option 3 ID : 630680996636
Option 4 ID : 630680996635

Section : Discipline 5

Q.1 In building software, _____ should preferably be lower and _____ is preferred to be on the higher side.

- Ans
- ✗ 1. inheritance from parent class, dependency with peer classes
 - ✗ 2. aggregation with peer components, composition among classes
 - ✗ 3. none of the given answer
 - ✓ 4. coupling among components, cohesion in bonding components

Question ID : 630680256644
Option 1 ID : 630680996495
Option 2 ID : 630680996496
Option 3 ID : 630680996498
Option 4 ID : 630680996497

Q.2 What is a long-term asset in accounting?

- Ans
- ✗ 1. Intangible assets
 - ✗ 2. Current liabilities
 - ✗ 3. Fixed liabilities
 - ✓ 4. Fixed assets

Question ID : 630680256638
Option 1 ID : 630680996474
Option 2 ID : 630680996472
Option 3 ID : 630680996473
Option 4 ID : 630680996471

Q.3 Which storage media supports only sequential access?

- Ans
- ☐ 1. Hard disk
 - ☐ 2. CD
 - ☒ 3. Magnetic tape
 - ☐ 4. DVD

Question ID : 630680256608
Option 1 ID : 630680996352
Option 2 ID : 630680996353
Option 3 ID : 630680996351
Option 4 ID : 630680996354

Q.4 What feature of OOP allows an instance of a class to take on many forms?

- Ans
- ☐ 1. Operator overriding
 - ☐ 2. Multiple inheritance
 - ☐ 3. Nested class
 - ☒ 4. Operator overloading

Question ID : 630680256641
Option 1 ID : 630680996483
Option 2 ID : 630680996485
Option 3 ID : 630680996486
Option 4 ID : 630680996484

Q.5 A register contains a 3's complement number 10100. If it is divided by 2, find the value of the register.

- Ans
- ☐ 1. 01100
 - ☐ 2. 00110
 - ☒ 3. 01010
 - ☐ 4. 11010

Question ID : 630680256618
Option 1 ID : 630680996391
Option 2 ID : 630680996394
Option 3 ID : 630680996392
Option 4 ID : 630680996393

Q.6 What is an endpoint of an inter-process communication?

- Ans
- ☐ 1. Tunnel
 - ☐ 2. Port
 - ☒ 3. Socket
 - ☐ 4. Pipe

Question ID : 630680256634
Option 1 ID : 630680996457
Option 2 ID : 630680996458
Option 3 ID : 630680996456
Option 4 ID : 630680996455

Q.7 Which access modifier can be used to access members in deriving class?

- Ans
- ☐ 1. Void
 - ☒ 2. Protected
 - ☐ 3. Private
 - ☐ 4. Public

Question ID : 630680256640
Option 1 ID : 630680996481
Option 2 ID : 630680996480
Option 3 ID : 630680996482
Option 4 ID : 630680996479

Q.8 What is the size of the computer accumulator register?

- Ans
- ☐ 1. 8 bytes
 - ☐ 2. 16 bytes
 - ☐ 3. 8 KB
 - ☒ 4. 4 bytes

Question ID : 630680256627
Option 1 ID : 630680996428
Option 2 ID : 630680996429
Option 3 ID : 630680996430
Option 4 ID : 630680996427

Q.9 What is the name of the .NET collection class that enables an element to be accessed using a unique key?

- Ans
- ☒ 1. Linked list
 - ☒ 2. Hashtable
 - ☒ 3. Double linked list
 - ☒ 4. Array list

Question ID : 630680256653
Option 1 ID : 630680996531
Option 2 ID : 630680996534
Option 3 ID : 630680996533
Option 4 ID : 630680996532

Q.10 Which of the following computer programs provides instructions for computer operations?

- Ans
- ☒ 1. System software
 - ☒ 2. System utility
 - ☒ 3. Magnetic card
 - ☒ 4. System application

Question ID : 630680256613
Option 1 ID : 630680996372
Option 2 ID : 630680996371
Option 3 ID : 630680996374
Option 4 ID : 630680996373

Section : Teaching Methodology

Q.1 Which of the following ailments is NOT caused by obesity?

- Ans
- ☒ 1. High blood pressure
 - ☒ 2. AIDS
 - ☒ 3. Orthopedic problem
 - ☒ 4. Diabetes

Question ID : 630680256688
Option 1 ID : 630680996671
Option 2 ID : 630680996672
Option 3 ID : 630680996673
Option 4 ID : 630680996674

Q.2 When learning is meaning making, then students are the meaning makers. The learning process in this context is -----.

- Ans
- ✔ 1. student-centred
 - ✗ 2. teacher-centred
 - ✗ 3. society-centred
 - ✗ 4. subject-centred

Question ID : 630680256691
Option 1 ID : 630680996686
Option 2 ID : 630680996684
Option 3 ID : 630680996683
Option 4 ID : 630680996685

Q.3 Which of the following statement is NOT correctly matched?

- Ans
- ✗ 1. Child with special need - should be seated near the board
 - ✔ 2. Performing art - every child should have clear view of board
 - ✗ 3. Group work - sitting arrangement should be in clump or clustered
 - ✗ 4. Group discussion - teacher should have eye contact with every child

Question ID : 630680256694
Option 1 ID : 630680996698
Option 2 ID : 630680996697
Option 3 ID : 630680996695
Option 4 ID : 630680996696

Q.4 Integrated child development service provides nutritious food for children who are -----.

- Ans
- ✗ 1. School going
 - ✗ 2. Schooldrop-out
 - ✔ 3. Below age of six years and too young to go to school
 - ✗ 4. Girls below 12 years of age

Question ID : 630680256695
Option 1 ID : 630680996699
Option 2 ID : 630680996700
Option 3 ID : 630680996701
Option 4 ID : 630680996702

Q.5 Which of the following is the activity related to community services?

- Ans
- ✗ 1. Collect picture about different musical instrument and dances
 - ✗ 2. Collect information about handicrafts of different place
 - ✔ 3. Participating in decoration at the time of events
 - ✗ 4. Explore food habit and living style of the people of different state

Question ID : 630680256696
Option 1 ID : 630680996705
Option 2 ID : 630680996706
Option 3 ID : 630680996703
Option 4 ID : 630680996704

Q.6 Auditory and visual co-ordination system is present in child from _____.

- Ans ☒ 1. Birth
- ☒ 2. 3 weeks of birth
- ☒ 3. 6 days of birth
- ☒ 4. 6 months of birth

Question ID : 630680256687
Option 1 ID : 630680996667
Option 2 ID : 630680996669
Option 3 ID : 630680996668
Option 4 ID : 630680996670

Q.7 All of the given are the methods of Information and Communication Technology - based assessment except _____.

- Ans ☒ 1. Concept map construction
- ☒ 2. Writing reflection journal on paper
- ☒ 3. Multimedia program development
- ☒ 4. Computer-based testing

Question ID : 630680256690
Option 1 ID : 630680996680
Option 2 ID : 630680996682
Option 3 ID : 630680996681
Option 4 ID : 630680996679

Q.8 Which of the following is correctly matched?
I. A child calling all four legged animals doggie – under-generalization
II. A child using word ‘duck’ for only his toy duck – over-generalizing

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

Question ID : 630680256692
Option 1 ID : 630680996689
Option 2 ID : 630680996690
Option 3 ID : 630680996688
Option 4 ID : 630680996687

Q.9 The philosophy of inclusive education was added in District Primary Education Programme (DPEP) in _____ year.

- Ans ☒ 1. 1966
- ☒ 2. 1997
- ☒ 3. 2012
- ☒ 4. 1950

Question ID : 630680256689
Option 1 ID : 630680996677
Option 2 ID : 630680996676
Option 3 ID : 630680996678
Option 4 ID : 630680996675

Q.10 The given statement is referring to which type of identity status in adolescents?
'Experimenting and actively searching for alternatives in their struggle to establish their identity.'

- Ans ☒ 1. Identity moratorium
- ☐ 2. Identity diffusion
- ☐ 3. Identity foreclosure
- ☐ 4. Identity achievement

Question ID : 630680256693
Option 1 ID : 630680996692
Option 2 ID : 630680996691
Option 3 ID : 630680996694
Option 4 ID : 630680996693