



GOVT. OF NCT OF DELHI  
Delhi Subordinate Services Selection Board  
FC-18, Institutional Area, Karkardooma, Delhi – 110092.

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?

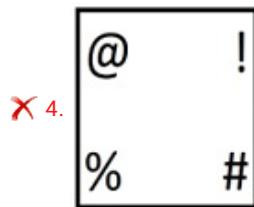
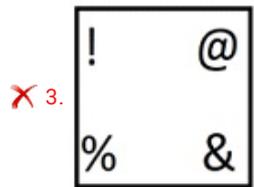
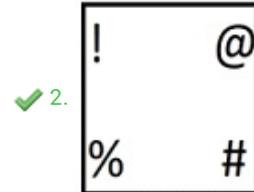
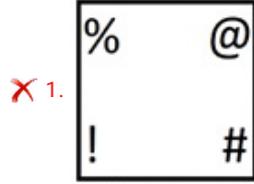
- Ans**
- 1. F
  - 2. E
  - 3. G
  - 4. D

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



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



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 8<sup>th</sup> to the left of Rashmi. If Rashmi is 25<sup>th</sup> from the left end of the row, what will be the position of Kajal from the right end of the row?

- Ans**
- 1. 33<sup>rd</sup>
  - 2. 34<sup>th</sup>
  - 3. 32<sup>nd</sup>
  - 4. 35<sup>th</sup>

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

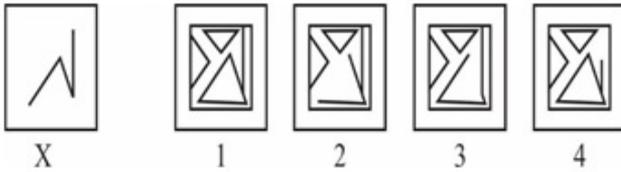
Option 1 ID : 630680995943

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  $100 \text{ m}^2$  is ₹440, and its slant height is 25 m. The volume (in  $\text{m}^3$ ) 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

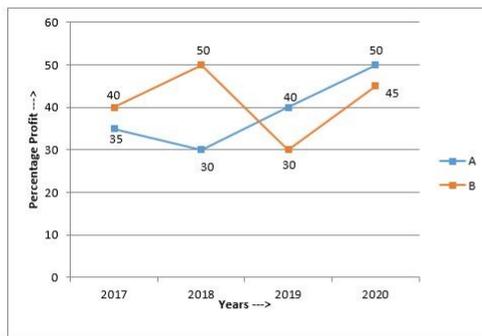
Option 2 ID : 630680996099

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



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

$$\text{Profit} = \text{Income} - \text{Expenditure}$$

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  $370\pi$  cm<sup>2</sup>. 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.

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**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.

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**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.

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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.

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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 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 बालिग मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफ़ी कमी, लाभहीन जीतों 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 बालिग 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 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 कानून के आगे सबकी समानता, सार्वभौमिक बालिग मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन जीतों के लिए लगान माफी, खेतिहरों के कर्ज़ों 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 'फॉरवर्ड ब्लॉक' की स्थापना की।

**SubQuestion No : 17**

Q.17 फॉरवर्ड 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 कानून के आगे सबकी समानता, सार्वभौमिक बालिग मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन जीतों के लिए लगान माफी, खेतिहरों के कर्ज़ों 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 'फॉरवर्ड 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 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 कानून के आगे सबकी समानता, सार्वभौमिक बालिग मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन जोतों के लिए लगान माफी, खेतिहरों के कर्ज़ों 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 'फॉरवर्ड 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 कानून के आगे सबकी समानता, सार्वभौमिक बालिग मताधिकार के आधार पर चुनाव तथा मुफ्त और अनिवार्य प्राथमिक शिक्षा की ज़मानत दी गई थी। लगान व मालगुज़ारी में काफी कमी, लाभहीन जीतों के लिए लगान माफी, खेतिहरों के कर्ज़ों 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 'फॉरवर्ड 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  $\sum \frac{1}{\sqrt[3]{n^2}}$  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 CO<sub>2</sub> 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