

Question Paper

Previous Year Question Papers

Prepared by:
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Recruitment of SI in CAPFs ASI in CISF and SI in Delhi Police Examination 2020 Paper I

Roll No.	
Candidate Name	
Venue Name	
Exam Date	25/11/2020
Exam Time	3:00 PM - 5:00 PM
Subject	SI CPO Examination 2020

Section : **General Intelligence and Reasoning**

Q.1 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

12	9	16
9	3	27
14	?	28

Ans

✔ 1. 7

✘ 2. 11

✘ 3. 9

✘ 4. 8

Question ID : **6549782688**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Pointing to a portrait of a lady, Kanika said, "Her daughter-in-law is the wife of my son's grandfather's only son." How is the lady in the portrait related to Kanika?

Ans

✔ 1. Mother-in-law

✘ 2. Mother

✘ 3. Paternal aunt

✘ 4. Sister-in-law

Question ID : **6549782672**
Status : **Marked For Review**
Chosen Option : **1**

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Q.3 Select the correct option that indicates the arrangement of the following words as they appear in an English dictionary.

1. Boatyard
2. Boathouse
3. Boater
4. Boatman
5. Boating

Ans

✗ 1. 2-5-3-1-4

✗ 2. 3-2-5-1-4

✓ 3. 3-2-5-4-1

✗ 4. 2-3-5-4-1

Question ID : **6549782659**
Status : **Answered**
Chosen Option : **3**

Q.4 Which letter-cluster will replace the question mark (?) in the following letter series?

TWZ, VYB, XAD, ?

Ans

✗ 1. ADG

✗ 2. YBE

✗ 3. ZBE

✓ 4. ZCF

Question ID : **6549782656**
Status : **Answered**
Chosen Option : **4**

Q.5 If '×' means 'addition', '÷' means 'multiplication', '+' means 'subtraction', and '–' means 'division', then what is the value of the following expression?

$16 - 4 \times 12 \div 3 + 18$

Ans

✗ 1. 24

✗ 2. 18

✗ 3. 30

✓ 4. 22

Question ID : **6549782683**
Status : **Answered**
Chosen Option : **4**

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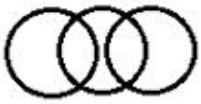
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Q.6 Select the Venn diagram that best illustrates the relationship between the following classes.

Teachers, Guitarists, Students

Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **6549782704**
Status : **Answered**
Chosen Option : **2**

Q.7 Which two digits and signs can be interchanged so as to balance the given equation?

$25 - 9 + 42 \div 6 \times 7 = 17$

Ans

✗ 1. 9 and 6; + and ×

✗ 2. 2 and 5; ÷ and ×

✓ 3. 5 and 7; – and ÷

✗ 4. 4 and 6; + and ÷

Question ID : **6549782685**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

48 : 60

Ans

✗ 1. 64 : 72

✗ 2. 98 : 114

✗ 3. 78 : 94

✓ 4. 86 : 100

Question ID : **6549782682**
Status : **Not Answered**
Chosen Option : **--**

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Q.9 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

9	8	7
6	7	8
4	5	3
50	?	53

Ans

✔ 1. 51

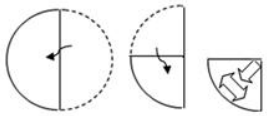
✘ 2. 61

✘ 3. 47

✘ 4. 52

Question ID : **6549782686**
Status : **Answered**
Chosen Option : **1**

Q.10 A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



Ans

✘ 1. 

✘ 2. 

✘ 3. 

✔ 4. 

Question ID : **6549782697**
Status : **Answered**
Chosen Option : **4**

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Q.11 Which number will replace the question mark (?) in the following number series?

52, 42, 34, 28, ?

Ans

✔ 1. 24

✘ 2. 22

✘ 3. 26

✘ 4. 28

Question ID : **6549782675**
Status : **Answered**
Chosen Option : **1**

Q.12 Six persons P, Q, R, S, T and U were sitting around a hexagon table facing the centre. U was sitting opposite to P, who was to the immediate left of R. S was sitting to the immediate right of U, and T was exactly between P and S. What was the sitting location of Q?

Ans

✘ 1. Immediate left of P

✔ 2. Opposite to T

✘ 3. Opposite to S

✘ 4. Opposite to R

Question ID : **6549782670**
Status : **Answered**
Chosen Option : **2**

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Q.13 Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

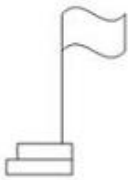


Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 

Question ID : **6549782701**
Status : **Answered**
Chosen Option : **1**

Q.14 In a certain code language, if TRAILER is written as RPYGJCP, then how will PEACOCK be written in the same code language?

Ans

✘ 1. MBXZLZH

✘ 2. OCXALAI

✔ 3. NCYAMAI

✘ 4. NBYZMZI

Question ID : **6549782666**
Status : **Answered**
Chosen Option : **3**

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Q.15 Which number will replace the question mark (?) in the following number series?

124, 140, 128, 136, 132, ?

Ans
✔ 1. 132
✘ 2. 136
✘ 3. 130
✘ 4. 128

Question ID : **6549782677**
Status : **Answered**
Chosen Option : **1**

Q.16 Which letter-cluster will replace the question mark (?) in the following series?

KAP, MIN, IUR, OEL, GOT, ?

Ans
✘ 1. PUJ
✔ 2. QAJ
✘ 3. PAK
✘ 4. QUK

Question ID : **6549782657**
Status : **Not Answered**
Chosen Option : **--**

Q.17 A tap can fill up a tank of 1250 litres in 4 hours, whereas another tap can fill the same tank in 8 hours. An outlet tap can empty that tank in 6 hours. If all the three taps are opened simultaneously, then how much time will it take to fill the tank completely?

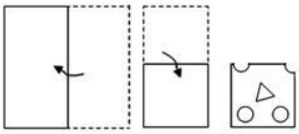
Ans
✘ 1. 4.2 hours
✘ 2. 5 hours
✘ 3. 4.5 hours
✔ 4. 4.8 hours

Question ID : **6549782681**
Status : **Not Answered**
Chosen Option : **--**

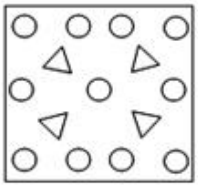
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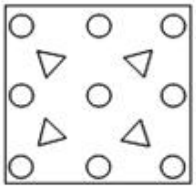
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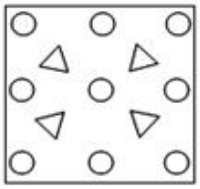
Q.18 A paper is folded and cut as shown in the following figures. How will it appear when unfolded?

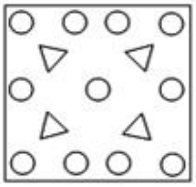


Ans

✗ 1.


✗ 2.


✗ 3.


✓ 4.


Question ID : **6549782698**
Status : **Answered**
Chosen Option : **4**

Q.19 Hritik went straight eastward from his office and took a right turn after travelling 4 km. From here, he covered a distance of 3 km and again took a right turn. After covering a distance of 4 km, he finally turned left and travelled straight. In which direction was Hritik moving at the end?

Ans

✗ 1. South-west

✗ 2. South-east

✗ 3. North

✓ 4. South

Question ID : **6549782690**
Status : **Answered**
Chosen Option : **4**

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Q.20 Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All bats are sticks.
No stick is a ball.

Conclusions:
I. No bat is a ball.
II. No ball is bat.

Ans
1. Neither conclusion I nor II follows.
2. Only conclusion I follows.
3. Only conclusion II follows.
4. Both conclusions I and II follow.

Question ID : **6549782674**
Status : **Answered**
Chosen Option : **2**

Q.21 Which number will replace the question mark (?) in the following number series?

5, 24, 61, 122, 213, ?

Ans
1. 343
2. 337
3. 346
4. 340

Question ID : **6549782678**
Status : **Not Answered**
Chosen Option : **--**

Q.22 While going to school, Rohit goes straight for 2 km from his house, then takes a left turn and travels 4 km. From here, he takes a right turn, and after covering 2 km, he again turns right and finally travels 2 km to reach the school. If he was finally traveling towards the West, in which direction is his house from the school?

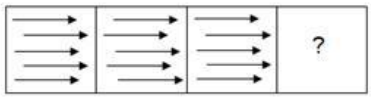
Ans
1. North
2. South-west
3. West
4. North-west

Question ID : **6549782691**
Status : **Answered**
Chosen Option : **4**

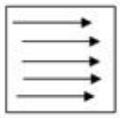
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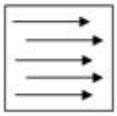
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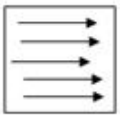
Q.23 Select the figure that will replace question mark (?) in the following figure series.

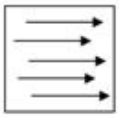


Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **6549782692**
Status : **Answered**
Chosen Option : **4**

Q.24 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the letter-cluster that is different from the rest.

Ans

✗ 1. DWHS

✗ 2. HSLO

✓ 3. MNPK

✗ 4. RIVE

Question ID : **6549782661**
Status : **Answered**
Chosen Option : **2**

Q.25 Which letter-cluster will replace the question mark (?) in the following series?

SQO, LJH, ECA, ?

Ans

✗ 1. XUS

✓ 2. XVT

✗ 3. YWV

✗ 4. YWU

Question ID : **6549782655**
Status : **Answered**
Chosen Option : **2**

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Q.26 Identify the option figure which is embedded in the figure given below (rotation is NOT allowed).



Ans

✗ 1. 

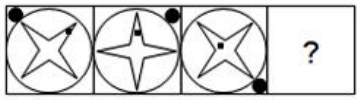
✗ 2. 

✓ 3. 

✗ 4. 

Question ID : **6549782696**
Status : **Answered**
Chosen Option : **3**

Q.27 Select the figure that will replace question (?) mark in the following figure series.



Ans

✓ 1. 

✗ 2. 

✗ 3. 

✗ 4. 

Question ID : **6549782694**
Status : **Answered**
Chosen Option : **4**

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Q.28 Which number will replace the question mark (?) in the following number series?

5, 17, 53, ? , 485

Ans

✗ 1. 163
✗ 2. 157
✗ 3. 159
✓ 4. 161

Question ID : **6549782676**
Status : **Not Answered**
Chosen Option : **--**

Q.29 If in a coding system, SUBSTANCE is coded as 101 and SUPREME is coded as 94, then how will PORTRAIT be coded in the same coding system?

Ans

✗ 1. 116
✓ 2. 114
✗ 3. 115
✗ 4. 117

Question ID : **6549782668**
Status : **Answered**
Chosen Option : **4**

Q.30 Rohit is ranked 18th from the top in his class. When counted from the bottom, he is ranked 36th. What is the total number of students in the class?

Ans

✗ 1. 55
✓ 2. 53
✗ 3. 52
✗ 4. 54

Question ID : **6549782669**
Status : **Answered**
Chosen Option : **2**

Q.31 Select the correct sequence of mathematical signs to replace the * signs so as to balance the given equation.

24*4*16*4*15 = 85

Ans

✗ 1. –, ÷, +, ×
✗ 2. ÷, +, ×, –
✓ 3. ×, +, ÷, –
✗ 4. ÷, –, +, ×

Question ID : **6549782684**
Status : **Answered**
Chosen Option : **3**

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Q.32 In a certain coding system, 'mango is sweet' is coded as '629', 'mango tree is tall' is coded as '7289', and 'tall tree is healthy' is coded as '5287'. What is the code for 'healthy' in this coding system?

Ans

✗ 1. 2
✗ 2. 8
✗ 3. 7
✓ 4. 5

Question ID : **6549782664**
Status : **Answered**
Chosen Option : **4**

Q.33 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RUBBER : BURREB : : CATTLE : _____

Ans

✗ 1. TACTLE
✓ 2. TACELT
✗ 3. ACTTEL
✗ 4. ELTTAC

Question ID : **6549782662**
Status : **Answered**
Chosen Option : **2**

Q.34 उस वेन आरेख का चयन करें, जो निम्न वर्गों के बीच संबंध को सर्वश्रेष्ठ रूप से दर्शाता है।

फसलें, खेत, जौ

Ans

✗ 1. 
✗ 2. 
✗ 3. 
✓ 4. 

Question ID : **6549782703**
Status : **Answered**
Chosen Option : **4**

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Q.35 In a certain code language, if CARPENTER is written as ACEENPRRT, then how will BLACKSMITH be written in the same code language?

Ans

✗ 1. LBCASKIMHT

✗ 2. ALBSKCIMHT

✓ 3. ABCHIKLMST

✗ 4. CALBIMKSTH

Question ID : **6549782667**
Status : **Not Answered**
Chosen Option : **--**

Q.36 Select the correct option that indicates the arrangement of the following terms in a logical and meaningful order.

1. Myna
2. Kite
3. Hummingbird
4. Koel
5. Bulbul

Ans

✓ 1. 3-5-1-4-2

✗ 2. 3-5-4-1-2

✗ 3. 3-5-1-2-4

✗ 4. 5-3-1-4-2

Question ID : **6549782658**
Status : **Not Answered**
Chosen Option : **--**

Q.37 The total of the ages of four persons is 86 years. What was their average age 4 years ago?

Ans

✗ 1. 20.5 years

✗ 2. 19.5 years

✗ 3. 20 years

✓ 4. 17.5 years

Question ID : **6549782679**
Status : **Answered**
Chosen Option : **4**

Q.38 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

36	49	43
42	64	?
24	36	30

Ans

✗ 1. 38

✗ 2. 32

✓ 3. 34

✗ 4. 36

Question ID : **6549782689**
Status : **Not Answered**
Chosen Option : **--**

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Q.39 In a certain coding system, 'Watches are beautiful' is coded as '856', 'Beautiful things are expensive' is coded as '3845', and 'Expensive things are preferred' is coded as '3874'. How will 'Watches are preferred' be coded in this coding system?

Ans

✗ 1. 765

✗ 2. 476

✗ 3. 785

✓ 4. 876

Question ID : **6549782665**
Status : **Answered**
Chosen Option : **4**

Q.40 Identify the option in which the following figure is embedded (rotation is NOT allowed).



Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

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Question ID : **6549782695**
Status : **Answered**
Chosen Option : **2**

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Q.41 Select the figure that will replace question mark (?) in the following figure series.



Ans

✗ 1. 

✗ 2. 

✓ 3. 

✗ 4. 

Question ID : **6549782693**
Status : **Answered**
Chosen Option : **3**

Q.42 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

FEEDBACK : DEABEFKC : : HIGHLAND : _____

Ans

✓ 1. HGALIHDN

✗ 2. ALHGDNIH

✗ 3. HGIHDNAL

✗ 4. IHHGALDN

Question ID : **6549782663**
Status : **Not Answered**
Chosen Option : **--**

Q.43 C is the mother-in-law of B; A is the elder son of C and the father of D. If B is not the wife of A, then how is B related to D?

Ans

✗ 1. Sister

✗ 2. Mother

✓ 3. Aunt

✗ 4. Maternal aunt

Question ID : **6549782671**
Status : **Answered**
Chosen Option : **3**

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Q.44 Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All wolfs are dogs.
All dogs are jackals.

Conclusions:
I. All wolfs are jackals.
II. All jackals are wolfs.

Ans
1. ✗ Neither conclusion I nor II follows.
2. ✗ Both conclusions I and II follow.
3. ✗ Only conclusion II follows.
4. ✓ Only conclusion I follows.

Question ID : **6549782673**
Status : **Answered**
Chosen Option : **4**

Q.45 Three different positions of the same dice are shown. Find the number on the face opposite to the one having the number 1.



Ans
1. ✗ 2
2. ✓ 4
3. ✗ 3
4. ✗ 6

Question ID : **6549782699**
Status : **Answered**
Chosen Option : **2**

Q.46 Three different positions of the same dice are shown. Find the letter on the face opposite to the one having the letter A.



Ans
1. ✗ B
2. ✗ F
3. ✗ D
4. ✓ C

Question ID : **6549782700**
Status : **Answered**
Chosen Option : **4**

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Q.47 The cost of four cycle tyres and three tubes is ₹720, whereas the cost of three cycle tyres and four tubes is ₹610. What is the cost of a tube?

Ans

✗ 1. ₹42

✗ 2. ₹50

✓ 3. ₹40

✗ 4. ₹45

Question ID : **6549782680**
Status : **Answered**
Chosen Option : **3**

Q.48 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

12	9	14
6	?	8
7	10	4
14	18	7

Ans

✗ 1. 8

✗ 2. 6

✗ 3. 7

✓ 4. 5

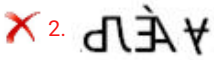
Question ID : **6549782687**
Status : **Not Answered**
Chosen Option : **--**

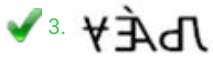
Q.49 Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



Ans

✗ 1. 

✗ 2. 

✓ 3. 

✗ 4. 

Question ID : **6549782702**
Status : **Answered**
Chosen Option : **3**

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Q.50 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the letter-cluster that is different from the rest.

Ans

✗ 1. HEBY

✓ 2. SPLI

✗ 3. WTQN

✗ 4. OLIF

Question ID : **6549782660**
Status : **Answered**
Chosen Option : **2**

Section : **General Knowledge and General Awareness**

Q.1 **With which of the following sports are the teams 'Chennai Superstarz', 'Awadhe Warriors' and 'Mumbai Rockets' associated?**

Ans

✗ 1. Kabaddi

✓ 2. Badminton

✗ 3. Football

✗ 4. Hockey

Question ID : **6549782752**
Status : **Answered**
Chosen Option : **2**

Q.2 **At the 65th Filmfare Awards, the film 'Gully Boys' did NOT win the award for which of the following categories?**

Ans

✗ 1. Best Director

✓ 2. Best Playback Singer (Male)

✗ 3. Best Actor in a Leading Role

✗ 4. Best Film

Question ID : **6549782741**
Status : **Answered**
Chosen Option : **2**

Q.3 **One of the main reasons for the defeat of Nawab Siraj-ud-daulah in the Battle of Plassey was that the forces led by _____, one of his commanders, never fought the battle.**

Ans

✗ 1. Mir Khalifa

✗ 2. Mahabat Khan

✓ 3. Mir Jafar

✗ 4. Mir Jumla II

Question ID : **6549782737**
Status : **Answered**
Chosen Option : **3**

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Q.4 **The phenomenon whereby the female gamete undergoes development to form new organisms without fertilisation in some organisms like rotifers, honeybees, some lizards and birds is called:**

Ans
1. apomixis ✗
2. parthenogenesis ✓
3. budding ✗
4. fragmentation ✗

Question ID : **6549782720**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Lal Bahadur Shastri was born on _____.**

Ans
1. 12 October 1904 ✗
2. 2 October 1869 ✗
3. 2 October 1904 ✓
4. 12 October 1869 ✗

Question ID : **6549782735**
Status : **Answered**
Chosen Option : **3**

Q.6 **The climate of Assam can be described as:**

Ans
1. tropical monsoon rainforest climate ✓
2. tropical dry climate ✗
3. sub-tropical humid climate ✗
4. mountain climate ✗

Question ID : **6549782730**
Status : **Answered**
Chosen Option : **3**

Q.7 **Which of the following statements is NOT true about the game of Kho Kho?**

Ans
1. It is one of the oldest traditional tag games of India ✗
2. Ten players take the field in the beginning to start the match ✓
3. It is a team game ✗
4. Three defenders of opposite team try to avoid being touched by the chasers ✗

Question ID : **6549782754**
Status : **Answered**
Chosen Option : **2**

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Q.8 **According to a law postulated by _____, the amounts of different substances liberated by the same quantity of electricity passing through the electrolytic solution are proportional to their chemical equivalent weights.**

Ans
- ✗ 1. John Dalton
- ✗ 2. Joseph Fourier
- ✓ 3. Michael Faraday
- ✗ 4. Alfred Nobel

Question ID : **6549782724**
Status : **Answered**
Chosen Option : **3**

Q.9 **Netaji Subhash Chandra Bose wrote the book:**

Ans
- ✗ 1. Poverty and Un-British Rule in India
- ✓ 2. The Indian Struggle
- ✗ 3. Unhappy India
- ✗ 4. Anandamath

Question ID : **6549782742**
Status : **Answered**
Chosen Option : **2**

Q.10 **Bhootada Kola is a spiritual folk dance in which some rituals involve walking on a bed of hot coal and is practised in coastal districts of _____.**

Ans
- ✗ 1. Kerala
- ✗ 2. Tamil Nadu
- ✓ 3. Karnataka
- ✗ 4. Andhra Pradesh

Question ID : **6549782709**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **The Ashok Chakra Class-III was renamed as the _____ in 1967.**

Ans
- ✗ 1. Vir Chakra
- ✗ 2. Mahavir Chakra
- ✓ 3. Shaurya Chakra
- ✗ 4. Kirti Chakra

Question ID : **6549782743**
Status : **Answered**
Chosen Option : **3**

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Q.12 In India, tertiary coals occur in Assam, Arunachal Pradesh, Nagaland and _____.

Ans
✗ 1. Mizoram
✗ 2. Gujarat
✗ 3. Tripura
✓ 4. Meghalaya

Question ID : **6549782732**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Gandhiji's first major public appearance was at the opening of the Banaras Hindu University (BHU) in _____.

Ans
✗ 1. January 1918
✗ 2. September 1915
✗ 3. December 1917
✓ 4. February 1916

Question ID : **6549782734**
Status : **Answered**
Chosen Option : **2**

Q.14 The picture shown here is the symbol of the _____.



Ans
✗ 1. Samajwadi Party
✓ 2. Janata Dal (United)
✗ 3. All India Trinamool Congress
✗ 4. Communist Party of India Marxist

Question ID : **6549782748**
Status : **Answered**
Chosen Option : **2**

Q.15 In pre-independent India, Dadabhai Naoroji was the first to discuss the concept of a _____.

Ans
✗ 1. bread line
✗ 2. subsistence level
✓ 3. poverty line
✗ 4. living wage

Question ID : **6549782713**
Status : **Answered**
Chosen Option : **3**

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Q.16 Name the scheme launched by the Government of India in 2015–16 with an aim to ensure water security through per capita availability of water in the country.

Ans
✔ 1. Jal Kranti Abhiyan
✘ 2. Polavaram Project
✘ 3. Atal Bhujal Yojana
✘ 4. Namami Gange

Question ID : **6549782728**
Status : **Answered**
Chosen Option : **3**

Q.17 _____ is a festival of Zoroastrian origin which marks the day of vernal equinox in March every year and is celebrated by Parsis in India.

Ans
✘ 1. Pateti
✔ 2. Jamshedi Navroz
✘ 3. Khordad Sal
✘ 4. Frawardigan

Question ID : **6549782707**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Actor Kamal Haasan is the Founder President of the political party _____.

Ans
✘ 1. Dhiravida Thelugar Munnetra Kalagam
✘ 2. Marumalarchi Thamizhakam
✔ 3. Makkal Needhi Maiam
✘ 4. Thayaka Marumalarchi Kazhagam

Question ID : **6549782750**
Status : **Not Answered**
Chosen Option : **--**

Q.19 _____ solids are formed by the three-dimensional arrangements of cations and anions bound by strong coulombic (electrostatic) forces.

Ans
✘ 1. Metallic
✘ 2. Covalent
✔ 3. Ionic
✘ 4. Molecular

Question ID : **6549782725**
Status : **Answered**
Chosen Option : **3**

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Q.20 With which of the following sports are the teams 'Bengal Warriors', 'Haryana Steelers' and 'Bengaluru Bulls' associated?

Ans
✗ 1. Hockey
✗ 2. Cricket
✓ 3. Kabaddi
✗ 4. Football

Question ID : **6549782751**
Status : **Answered**
Chosen Option : **3**

Q.21 _____ is one of the important crafts of Uttar Pradesh which entails delicate traditional hand embroidery on fabrics like chiffon, muslin, organza, organdie and silk.

Ans
✗ 1. Crochet
✗ 2. Needle lace
✓ 3. Chikankari
✗ 4. Knitting

Question ID : **6549782705**
Status : **Answered**
Chosen Option : **3**

Q.22 Former cricketer Gautam Gambhir contested the Lok Sabha elections, 2019, from the _____ constituency on a Bharatiya Janata Party ticket.

Ans
✗ 1. South Delhi
✗ 2. New Delhi
✓ 3. East Delhi
✗ 4. West Delhi

Question ID : **6549782749**
Status : **Answered**
Chosen Option : **1**

Q.23 बैक्टीरिया, वायरस, कवक, प्रोटोजोआ, कृमि, आदि जैसे जीवों को क्या कहते हैं, जिनके कारण मनुष्य में रोग होते हैं?

Ans
✗ 1. परभक्षी
✗ 2. प्रतिजन
✗ 3. फल-भक्षी
✓ 4. रोगाणु

Question ID : **6549782718**
Status : **Answered**
Chosen Option : **4**

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Q.24 **Maria Irudayam, who is a two-time world champion and a nine-time national champion, is associated with the game of _____.**

Ans
✗ 1. table tennis
✓ 2. carrom
✗ 3. chess
✗ 4. badminton

Question ID : **6549782753**
Status : **Not Answered**
Chosen Option : **--**

Q.25 **Neeru-Meeru is a watershed management programme in the state of _____.**

Ans
✗ 1. Odisha
✗ 2. Rajasthan
✓ 3. Andhra Pradesh
✗ 4. Maharashtra

Question ID : **6549782727**
Status : **Not Answered**
Chosen Option : **--**

Q.26 **____ is a situation of very low rate of interest in the economy where every economic agent expects the interest rate to rise in future and consequently bond prices to fall, causing capital loss.**

Ans
✓ 1. Liquidity trap
✗ 2. Revenue deficit
✗ 3. Parametric shift
✗ 4. Paradox of thrift

Question ID : **6549782714**
Status : **Not Answered**
Chosen Option : **--**

Q.27 **Muzaffar Hussain Baig who was awarded the Padma Bhushan in 2020 is a member of the _____.**

Ans
✗ 1. National Panthers Party
✗ 2. Jammu Republic Party
✗ 3. National Democratic Party
✓ 4. Peoples Democratic Party

Question ID : **6549782747**
Status : **Not Answered**
Chosen Option : **--**

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Q.28 _____ waves include visible light waves, X-rays,gamma rays, radio waves, microwaves, ultraviolet and infrared waves.

Ans
- ✔ 1. Electromagnetic
- ✘ 2. Mechanical
- ✘ 3. Magnetic
- ✘ 4. Electric

Question ID : **6549782715**
Status : **Answered**
Chosen Option : **1**

Q.29 A policy which involves fixing the maximum size of land which could be owned by an individual is called _____.

Ans
- ✔ 1. land ceiling
- ✘ 2. land capping
- ✘ 3. land mapping
- ✘ 4. land jamming

Question ID : **6549782710**
Status : **Answered**
Chosen Option : **3**

Q.30 _____ is a naturally occurring phenomenon that is responsible for the heating of the Earth's surface and atmosphere.

Ans
- ✔ 1. Greenhouse effect
- ✘ 2. Radiation
- ✘ 3. Global warming
- ✘ 4. Global heating

Question ID : **6549782719**
Status : **Answered**
Chosen Option : **1**

Q.31 Solubility of gases in liquids _____ with decrease in temperature.

Ans
- ✘ 1. remains constant
- ✘ 2. first decreases and then increases
- ✔ 3. increases
- ✘ 4. decreases

Question ID : **6549782721**
Status : **Not Answered**
Chosen Option : **--**

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Q.32 Dr Harsh Vardhan, India's Minister of _____, was elected the Chairman of the World Health Organization's Executive Board on 22 May 2020.

Ans
✗ 1. Foreign Affairs
✓ 2. Health and Family Welfare
✗ 3. Housing
✗ 4. Arts and Culture

Question ID : **6549782746**
Status : **Answered**
Chosen Option : **2**

Q.33 _____ are also known as heat waves.

Ans
✓ 1. Infra-red waves
✗ 2. Gamma rays
✗ 3. Light waves
✗ 4. X-rays

Question ID : **6549782716**
Status : **Answered**
Chosen Option : **3**

Q.34 The Cabinet Minister in NDA - 2 Government as on 30 June 2020 for the Ministry of External Affairs is _____.

Ans
✗ 1. Nirmala Sitharaman
✓ 2. Subrahmanyam Jaishankar
✗ 3. Ravi Shankar Prasad
✗ 4. Nitin Jairam Gadkari

Question ID : **6549782745**
Status : **Answered**
Chosen Option : **2**

Q.35 In a galvanic cell, the half-cell in which oxidation takes place is called _____ and it has a negative potential with respect to the solution.

Ans
✗ 1. cathode
✗ 2. diode
✗ 3. triode
✓ 4. anode

Question ID : **6549782722**
Status : **Answered**
Chosen Option : **4**

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Q.36 Anilkumar Manibhai Naik was awarded the Padma Vibhushan Award, 2019 for his contribution in the field of _____.

Ans
1. Public Affairs
2. Art-Vocals-Folk
3. Trade and Industry - Infrastructure
4. Art-Acting-Theatre

Question ID : **6549782744**
Status : **Not Answered**
Chosen Option : **--**

Q.37 'The Man-Eater of Malgudi' is written by:

Ans
1. KR Narayan
2. RK Narayan
3. RK Laxman
4. KR Laxman

Question ID : **6549782740**
Status : **Answered**
Chosen Option : **2**

Q.38 An unexpected rise in sales of a product leads to _____.

Ans
1. planned decumulation of inventory
2. unplanned decumulation of inventory
3. unplanned accumulation of inventory
4. planned accumulation of inventory

Question ID : **6549782712**
Status : **Not Answered**
Chosen Option : **--**

Q.39 Kadsa is a dance style performed by women in Jharkhand, carrying a _____.

Ans
1. Kalasha
2. Kamandalu
3. Kumbha
4. Kapala

Question ID : **6549782708**
Status : **Not Answered**
Chosen Option : **--**

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Q.40 'An Enquiry into the Nature and Cause of the Wealth of Nations' is an influential work by economist _____.

Ans
1. Alfred Marshall
2. John Maynard Keynes
3. Millicent Fawcett
4. Adam Smith

Question ID : **6549782739**
Status : **Not Answered**
Chosen Option : **--**

Q.41 As per the 'India State of Forest Report', 2019, the total forest and tree cover is _____ % of the total geographical area of India.

Ans
1. 14.39
2. 20.39
3. 24.56
4. 29.39

Question ID : **6549782729**
Status : **Answered**
Chosen Option : **3**

Q.42 Which of the following statements is NOT true about C Rajagopalachari?

Ans
1. He was the founder of the Swatantra Party
2. He was the first Indian to become the Governor General of India
3. He was the first recipient of the Padma Shree Award
4. He was a senior leader of the Congress

Question ID : **6549782738**
Status : **Answered**
Chosen Option : **3**

Q.43 _____ Law of independent migration of ions states that limiting molar conductivity of an electrolyte can be represented as the sum of the individual contributions of the anion and cation of the electrolyte.

Ans
1. Schrödinger
2. Feynman
3. Kohlrausch
4. Dirac

Question ID : **6549782723**
Status : **Answered**
Chosen Option : **2**

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Q.44 Gandhiji hoped that by coupling non-cooperation with _____, India's two major religious communities, Hindus and Muslims, could collectively bring an end to colonial rule.

Ans
✗ 1. Swadeshi Movement
✗ 2. Sepoy Mutiny
✗ 3. Civil Disobedience Movement
✓ 4. Khilafat Movement

Question ID : **6549782733**
Status : **Answered**
Chosen Option : **4**

Q.45 Tumours that normally remain confined to their original location and do not spread to other parts of the body and cause little damage are called _____ tumours.

Ans
✓ 1. benign
✗ 2. malignant
✗ 3. active
✗ 4. premalignant

Question ID : **6549782726**
Status : **Not Answered**
Chosen Option : **--**

Q.46 In order to overturn the British rule through arms, the Kakori Conspiracy was planned by the members of the _____ in 1925.

Ans
✓ 1. Hindustan Republican Association
✗ 2. Indian National Congress
✗ 3. Indian National Army
✗ 4. Gadar Party

Question ID : **6549782736**
Status : **Answered**
Chosen Option : **1**

Q.47 The _____ is a single string musical instrument made using a bamboo and a gourd, mostly used by traditional folk singers in Maharashtra.

Ans
✗ 1. Edakka
✓ 2. Ektara
✗ 3. Ekkalam
✗ 4. Esraj

Question ID : **6549782706**
Status : **Answered**
Chosen Option : **2**

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Q.48 **Which Indian state is bordered by Bhutan and Arunachal Pradesh to the north; Nagaland and Manipur to the east; Meghalaya, Tripura, Mizoram and Bangladesh to the south; and West Bengal to the west?**

Ans
- ✗ 1. Tripura
- ✗ 2. Arunachal Pradesh
- ✗ 3. Sikkim
- ✓ 4. Assam

Question ID : **6549782731**
Status : **Answered**
Chosen Option : **3**

Q.49 **The Coinage Act, 2011, allows issue of coins up to the denomination of ₹_____ in India.**

Ans
- ✗ 1. 5,000
- ✗ 2. 100
- ✗ 3. 500
- ✓ 4. 1,000

Question ID : **6549782711**
Status : **Answered**
Chosen Option : **1**

Q.50 **The phenomenon of deviation of light rays from their original path, when they pass from one medium to another, is called _____.**

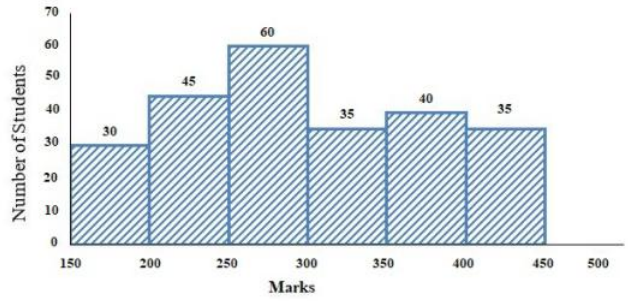
Ans
- ✗ 1. reflection
- ✓ 2. refraction
- ✗ 3. obstruction
- ✗ 4. diffraction

Question ID : **6549782717**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude**

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Q.1 Study the given histogram that shows the marks obtained by students in an examination and answer the question that follows.



The number of students who obtained less than 250 marks is what per cent more than the number of students who obtained 400 or more marks?
(correct to one decimal place)

Ans

✗ 1. 150%

✗ 2. 175.8%

✓ 3. 114.3%

✗ 4. 100%

Question ID : **6549782803**
Status : **Answered**
Chosen Option : **4**

Q.2 The internal length, breadth and height of a cuboidal room are 12 m, 8 m and 10 m, respectively. The total cost (in ₹) of whitewashing only all four walls of the room at the cost of ₹25 per m^2, is:

Ans

✗ 1. 12,600

✓ 2. 10,000

✗ 3. 11,400

✗ 4. 18,000

Question ID : **6549782782**
Status : **Answered**
Chosen Option : **2**

Q.3 If the numerator of a fraction is increased by 60% and the denominator is increased by 40%, then the resultant fraction is $\frac{16}{63}$. The original fraction is:

Ans

✗ 1. $\frac{5}{9}$

✓ 2. $\frac{2}{9}$

✗ 3. $\frac{2}{11}$

✗ 4. $\frac{4}{9}$

Question ID : **6549782767**
Status : **Answered**
Chosen Option : **2**

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Q.4 Five bells ring together at the intervals of 3, 5, 8, 9 and 10 seconds. All the bells ring simultaneously at the same time. They will again ring simultaneously after:

Ans

✔ 1. 6 minutes

✘ 2. 8 minutes

✘ 3. 9 minutes

✘ 4. 4 minutes

Question ID : **6549782758**
Status : **Answered**
Chosen Option : **1**

Q.5 The average age of 40 students of a class is 16 years. After admission of 10 new students to the class, the average becomes 15 years. If the average age of 5 of the new students is 11 years, then the average age (in years) of the remaining 5 new students is:

Ans

✘ 1. 10

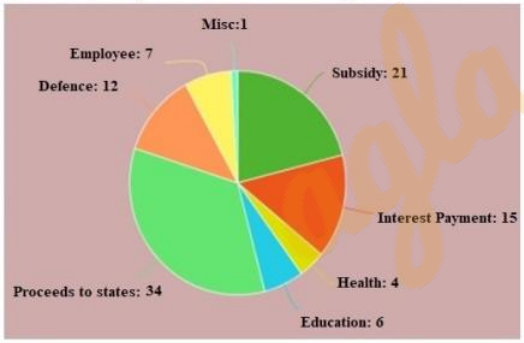
✘ 2. 15

✘ 3. 16

✔ 4. 11

Question ID : **6549782762**
Status : **Answered**
Chosen Option : **4**

Q.6 The following pie chart shows percentage expenditure of a country on different heads. The total expenditure is ₹1,680 (in billions). Study the chart and answer the question.



The central angle of the sector representing expenditure on Interest payment is:

Ans

✘ 1. 90°

✘ 2. 72°

✔ 3. 54°

✘ 4. 108°

Question ID : **6549782801**
Status : **Answered**
Chosen Option : **3**

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Q.7 A's salary is 35% more than B's salary. How much per cent is B's salary less than that of A's? (correct to the nearest integer)

Ans
1. 17.5%
2. 20%
3. 35%
4. 26%

Question ID : **6549782764**
Status : **Answered**
Chosen Option : **4**

Q.8 A sum of ₹36,000 is divided into two parts, A and B, such that the simple interest at the rate of 15% p.a. on A and B after two years and four years, respectively, is equal. The total interest (in ₹) received from A is:

Ans
1. 1,800
2. 3,600
3. 7,200
4. 5,400

Question ID : **6549782772**
Status : **Answered**
Chosen Option : **3**

Q.9 P and Q together can do a work in 12 days. P alone can do the same work in 36 days. In how many days can Q alone complete two-third part of the same work?

Ans
1. 12
2. 15
3. 18
4. 21

Question ID : **6549782774**
Status : **Answered**
Chosen Option : **1**

Q.10 In an entrance examination at different centres, a total of 25, 30, 40, 45, 60 and 100 students appeared. The pass percentages of the different centres are 20%, 30%, 35%, 40%, 50% and 75%, respectively. The pass percentage of the entrance examination is: (correct to the nearest integer)

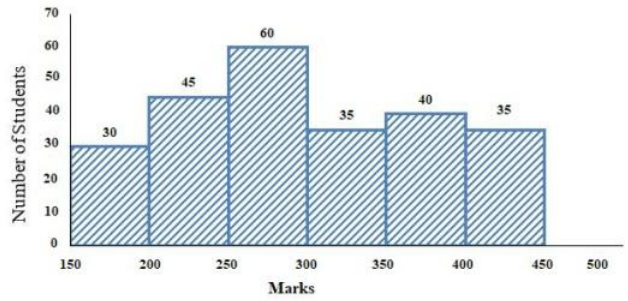
Ans
1. 59%
2. 43%
3. 53%
4. 50%

Question ID : **6549782765**
Status : **Not Answered**
Chosen Option : **--**

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Q.11 Study the given histogram that shows the marks obtained by students in an examination and answer the question that follows.



If the total marks obtained by students be represented as a pie chart, then the central angle of the sector representing marks 200 or more but less than 300, is:
(correct to the nearest degree)

Ans
✗ 1. 128°
✓ 2. 154°
✗ 3. 68°
✗ 4. 88°

Question ID : **6549782804**
Status : **Answered**
Chosen Option : **2**

Q.12 The speed of a boat in still water is 15 km/h, and the speed of the current is 5 km/h. In how much time (in hours) will the boat travel a distance of 60 km upstream and the same distance downstream?

Ans
✗ 1. 20
✗ 2. 12
✓ 3. 9
✗ 4. 10

Question ID : **6549782779**
Status : **Answered**
Chosen Option : **3**

Q.13 If the volume of a sphere is 4851 cm^3, then its surface area (in cm^2) is: (Take $\pi = \frac{22}{7}$)

Ans
✗ 1. 1427
✓ 2. 1386
✗ 3. 1399
✗ 4. 1268

Question ID : **6549782783**
Status : **Not Answered**
Chosen Option : **--**

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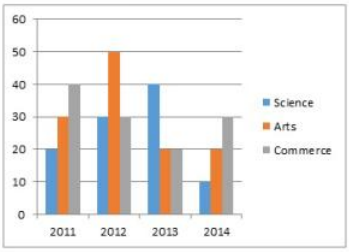
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Q.14 If $a^2 + b^2 = 82$ and $ab = 9$, then a possible value of $a^3 + b^3$ is:

Ans
1. 720
2. 750
3. 830
4. 730

Question ID : **6549782785**
Status : **Answered**
Chosen Option : **4**

Q.15 The number of students in Class XI in Science, Arts and Commerce streams of a school over a period of 4 years (2011 – 2014) has been depicted through the bar chart given below.



What is the difference between the averages of the number of Science and Commerce students in the given class over the given period of 4 years?

Ans
1. 8
2. 10
3. 12
4. 5

Question ID : **6549782797**
Status : **Not Answered**
Chosen Option : **--**

Q.16 A can complete a certain work in 35 days and B can complete the same work in 15 days. They worked together for 7 days, then B left the work. In how many days will A alone complete 60% of the remaining work?

Ans
1. 10
2. 15
3. 8
4. 7

Question ID : **6549782775**
Status : **Answered**
Chosen Option : **4**

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Q.17 In a circle with centre O, AD is a diameter and AC is a chord. Point B is on AC such that OB = 7 cm and $\angle OBA = 60°$. If $\angle DOC = 60°$, then what is the length of BC?

Ans

1. ✗ $3\sqrt{7}$ cm
2. ✗ 3.5 cm
3. ✓ 7 cm
4. ✗ $5\sqrt{7}$ cm

Question ID : **6549782788**
Status : **Answered**
Chosen Option : **3**

Q.18 If $x + y + z = 19$, $xyz = 216$ and $xy + yz + zx = 114$, then the value of $\sqrt{x^3 + y^3 + z^3 + xyz}$ is:

Ans

1. ✗ 32
2. ✗ 30
3. ✗ 28
4. ✓ 35

Question ID : **6549782787**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Ramesh spends 40% of his monthly salary on food, 18% on house rent, 12% on entertainment, and 5% on conveyance. But due to a family function, he has to borrow ₹16,000 from a money lender to meet the expenses of ₹20,000. His monthly salary is:

Ans

1. ✗ ₹16,500
2. ✗ ₹15,000
3. ✓ ₹16,000
4. ✗ ₹18,000

Question ID : **6549782768**
Status : **Not Answered**
Chosen Option : **--**

Q.20 A, B, C subscribe a sum of ₹75,500 for a business. A subscribes ₹3,500 more than B, and B subscribes ₹4,500 more than C. Out of a total profit of ₹45,300, how much (in ₹) does A receive?

Ans

1. ✓ 17,400
2. ✗ 14,700
3. ✗ 12,600
4. ✗ 15,000

Question ID : **6549782771**
Status : **Answered**
Chosen Option : **1**

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Q.21 The ratio of the total surface area and volume of a sphere is 2 : 7. Its radius is:

Ans
1. 7.5 cm
2. 10.5 cm
3. 10 cm
4. 7 cm

Question ID : **6549782780**
Status : **Answered**
Chosen Option : **2**

Q.22 The value of $\frac{427 \times 427 \times 427 + 325 \times 325 \times 325}{42.7 \times 42.7 + 32.5 \times 32.5 - 42.7 \times 32.5}$ is:

Ans
1. 75.2
2. 752
3. 75200
4. 7520

Question ID : **6549782761**
Status : **Answered**
Chosen Option : **3**

Q.23 In ΔABC, $\angle A = 54°$. If I is the incentre of the triangle, then the measure of $\angle BIC$ is:

Ans
1. 68°
2. 54°
3. 148°
4. 117°

Question ID : **6549782791**
Status : **Answered**
Chosen Option : **4**

Q.24 Let A and B be two towers with the same base. From the mid point of the line joining their feet, the angles of elevation of the tops of A and B are 30° and 45°, respectively. The ratio of the heights of A and B is:

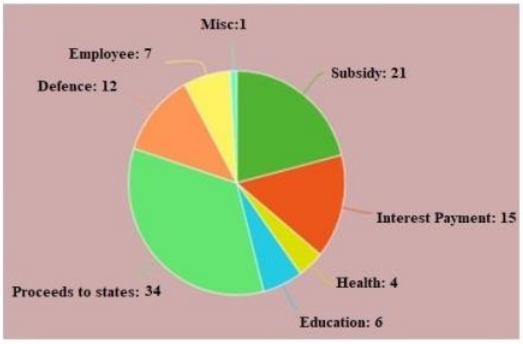
Ans
1. 1 : 3
2. $1 : \sqrt{3}$
3. $\sqrt{3} : 1$
4. 3 : 1

Question ID : **6549782795**
Status : **Answered**
Chosen Option : **3**

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Q.25 The following pie chart shows percentage expenditure of a country on different heads. The total expenditure is ₹1,680 (in billions). Study the chart and answer the question.



The expenditure on Education is what percentage less than the expenditure on Defence?

Ans

✗ 1. 150%

✓ 2. 50%

✗ 3. 100%

✗ 4. 125%

Question ID : **6549782800**
Status : **Answered**
Chosen Option : **2**

Q.26 Let A and B be two cylinders such that the capacity of A is the same as the capacity of B. The ratio of the diameters of A and B is 1 : 4. What is the ratio of the heights of A and B?

Ans

✓ 1. 16 : 1

✗ 2. 16 : 3

✗ 3. 3 : 16

✗ 4. 1 : 16

Question ID : **6549782781**
Status : **Answered**
Chosen Option : **1**

Q.27 A train covers 400 km at a uniform speed. If the speed had been 10 km/h more, it would have taken 2 hours less for the same journey. What is the usual time taken (in hours) by it to complete the journey?

Ans

✗ 1. 12

✗ 2. 15

✗ 3. 8

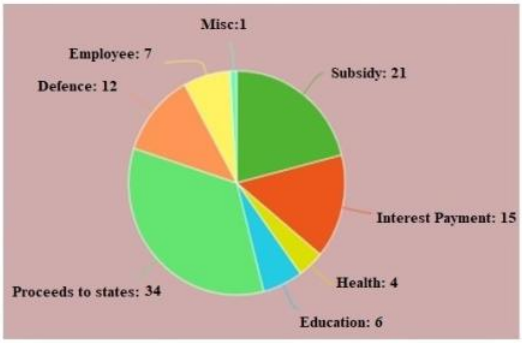
✓ 4. 10

Question ID : **6549782778**
Status : **Not Answered**
Chosen Option : **--**

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Q.28 The following pie chart shows percentage expenditure of a country on different heads. The total expenditure is ₹1,680 (in billions). Study the chart and answer the question.



The expenditure for Proceeds to state (in billions ₹) is:

Ans

✔ 1. 571.20
✘ 2. 586.50
✘ 3. 684
✘ 4. 126

Question ID : **6549782799**
Status : **Answered**
Chosen Option : **1**

Q.29 The value of $\frac{2}{3} \div \frac{3}{10}$ of $\frac{4}{9} - \frac{4}{5} \times 1\frac{1}{9} \div \frac{8}{15} + \frac{3}{4} \div \frac{1}{2}$ is:

Ans

✔ 1. $\frac{29}{6}$
✘ 2. $\frac{17}{9}$
✘ 3. $\frac{14}{3}$
✘ 4. $\frac{49}{12}$

Question ID : **6549782760**
Status : **Answered**
Chosen Option : **1**

Q.30 A pump can fill a tank with water in 1 hour. Because of a leak, it took $1\frac{1}{3}$ hours to fill the tank. In how many hours can the leak alone drain all the water of the tank when it is full?

Ans

✘ 1. 5
✘ 2. 1
✘ 3. 2
✔ 4. 4

Question ID : **6549782776**
Status : **Not Answered**
Chosen Option : **--**

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Q.31 When a number is successively divided by 3, 4 and 7, the remainder obtained is 2, 3 and 5, respectively. What will be the remainder when 42 divides the same number?

Ans

1. ✗ 41
2. ✗ 30
3. ✓ 29
4. ✗ 31

Question ID : **6549782755**
Status : **Not Answered**
Chosen Option : **--**

Q.32 An article was sold at a loss of 13.5%. If it was sold for ₹1,104 more, then there would have been a profit of 9.5%. The cost price of the article was:

Ans

1. ✗ ₹4,600
2. ✓ ₹4,800
3. ✗ ₹4,400
4. ✗ ₹4,200

Question ID : **6549782769**
Status : **Answered**
Chosen Option : **2**

Q.33 How many numbers between 300 and 700 are divisible by 5, 6 and 8?

Ans

1. ✓ 3
2. ✗ 2
3. ✗ 5
4. ✗ 20

Question ID : **6549782756**
Status : **Not Answered**
Chosen Option : **--**

Q.34 The simple interest on a sum of money at 10% per annum for 2 years is ₹8,100. What would be the compound interest (in ₹) on the same sum for the same period at 15% p.a, when the interest is compounded yearly?
(nearest to ₹1)

Ans

1. ✗ 8,100
2. ✗ 12,751
3. ✗ 14,671
4. ✓ 13,061

Question ID : **6549782773**
Status : **Answered**
Chosen Option : **4**

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Q.35 On a marked price, the difference of selling prices with a discount of 35% and two successive discounts of 20% and 15%, is ₹504. The marked price of the article (in ₹) is:

Ans

✗ 1. 16,000

✓ 2. 16,800

✗ 3. 15,500

✗ 4. 18,000

Question ID : **6549782766**
Status : **Not Answered**
Chosen Option : **--**

Q.36 The sides PQ and PR of ΔPQR are produced to points S and T, respectively. The bisectors of $\angle SQR$ and $\angle TRQ$ meet at U. If $\angle QUR = 59°$, then the measure of $\angle P$ is:

Ans

✗ 1. $31°$

✓ 2. $62°$

✗ 3. $41°$

✗ 4. $49°$

Question ID : **6549782790**
Status : **Answered**
Chosen Option : **2**

Q.37 The number of students in Class XI in Science, Arts and Commerce streams of a school over a period of 4 years (2011 – 2014) has been depicted through the bar chart given below.



What is the average of the number of Arts students in the given class over the given period of 4 years?

Ans

✗ 1. 25

✓ 2. 30

✗ 3. 35

✗ 4. 32

Question ID : **6549782796**
Status : **Answered**
Chosen Option : **2**

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Q.38 If $a + b + c = 0$, then the value of $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab}$ is:

Ans
1. 1 ✗
2. 3 ✓
3. -1 ✗
4. 0 ✗

Question ID : **6549782786**
Status : **Answered**
Chosen Option : **2**

Q.39 In a school, $\frac{5}{12}$ of the number of students are girls and the rest are boys. $\frac{4}{7}$ of the number of boys are below 14 years of age, and $\frac{2}{5}$ of the number of girls are 14 years or above 14 years of age. If the number of students below 14 years of age is 1120, then the total number of students in the school is:

Ans
1. 1820 ✗
2. 1290 ✗
3. 1900 ✗
4. 1920 ✓

Question ID : **6549782770**
Status : **Not Answered**
Chosen Option : **--**

Q.40 The base of a triangle is equal to the perimeter of a square whose diagonal is $9\sqrt{2}$ cm, and its height is equal to the side of a square whose area is 144 cm^2. The area of the triangle (in cm^2) is:

Ans
1. 216 ✓
2. 72 ✗
3. 144 ✗
4. 288 ✗

Question ID : **6549782784**
Status : **Answered**
Chosen Option : **1**

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Q.41 A ladder is resting against a wall, The angle between the foot of the ladder and the wall is 45° and the foot of the ladder is 6.6 m away from the wall. The length of the ladder (in m) is:

Ans

✔ 1. $6.6 \times \sqrt{2}$

✘ 2. $3.3 \times \sqrt{2}$

✘ 3. $2.2 \times \sqrt{2}$

✘ 4. $3.6 \times \sqrt{2}$

Question ID : **6549782794**
Status : **Answered**
Chosen Option : **1**

Q.42 The HCF of two numbers is 29, and the other two factors of their LCM are 15 and 13. The smaller of the two numbers is:

Ans

✔ 1. 377

✘ 2. 406

✘ 3. 435

✘ 4. 464

Question ID : **6549782757**
Status : **Answered**
Chosen Option : **1**

Q.43 Solve for θ : $cos^2\theta - sin^2\theta = \frac{1}{2}, 0 < \theta < 90°$.

Ans

✘ 1. 45°

✘ 2. 60°

✔ 3. 30°

✘ 4. 40°

Question ID : **6549782792**
Status : **Answered**
Chosen Option : **3**

Q.44 On the marked price of ₹1,250 of an article, three successive discounts of 5%, 15% and 20% were offered, The amount (in ₹) of discount received by a customer is:

Ans

✔ 1. 442.50

✘ 2. 950.25

✘ 3. 450

✘ 4. 807.50

Question ID : **6549782763**
Status : **Not Answered**
Chosen Option : **--**

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Q.45 If $\cot\theta = \frac{1}{\sqrt{3}}$, $0^\circ < \theta^\circ < 90^\circ$, then the value of $\frac{2-\sin^2\theta}{1-\cos^2\theta} + (\text{cosec}^2\theta - \sec\theta)$ is:

Ans

✗ 1. 0

✗ 2. 2

✗ 3. 5

✓ 4. 1

Question ID : **6549782793**
Status : **Answered**
Chosen Option : **4**

Q.46 Two circles of radii 15 cm and 10 cm intersect each other and the length of their common chord is 16 cm. What is the distance (in cm) between their centres?

Ans

✗ 1. $12 + 3\sqrt{7}$

✗ 2. $15 + 2\sqrt{161}$

✗ 3. $10 + \sqrt{161}$

✓ 4. $6 + \sqrt{161}$

Question ID : **6549782789**
Status : **Answered**
Chosen Option : **4**

Q.47 The fasting blood sugar level (F) and the post prandial blood sugar level (PP) of a patient was monitored for four weeks W1, W2, W3, W4, and the readings (in mg/dl) for the four weeks are as follows:
F/PP: 170/220, 150/180, 120/150, 90/120.
These have been presented through a bar graph. The normal range is considered to be:
F/PP: 70 – 100/100 – 130.



During which week was the fasting blood sugar level of the patient approximately 115.4% above the upper limit of normal PP blood sugar level?

Ans

✗ 1. W3

✗ 2. W1

✓ 3. W2

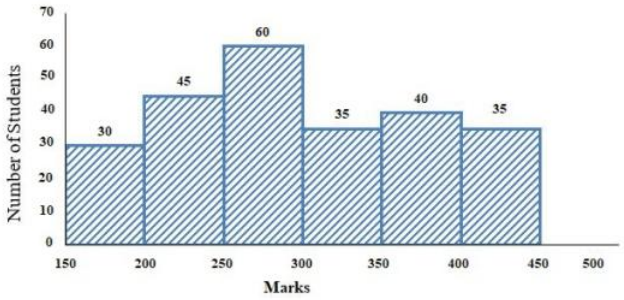
✗ 4. W4

Question ID : **6549782798**
Status : **Not Answered**
Chosen Option : **--**

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Q.48 Study the given histogram that shows the marks obtained by students in an examination and answer the question that follows.



The number of students who obtained less than 200 marks is:

Ans

✗ 1. 75

✓ 2. 30

✗ 3. 45

✗ 4. 135

Question ID : **6549782802**
Status : **Answered**
Chosen Option : **2**

Q.49 The value of $7 \div [5 + 1 \div 2 - \{4 + (4 \text{ of } 2 \div 4) + (5 \div 5 \text{ of } 2)\}]$ is:

Ans

✗ 1. 7

✗ 2. $\frac{7}{2}$

✓ 3. -7

✗ 4. $-\frac{7}{2}$

Question ID : **6549782759**
Status : **Not Answered**
Chosen Option : **--**

Q.50 Two pipes A and B can fill a cistern in $12\frac{1}{2}$ hours and 25 hours, respectively. The pipes are opened simultaneously and it is found that due to a leakage in the bottom, it took 1 hour 40 minutes more to fill the cistern. When the cistern is full, in how much time will the leak empty the cistern?

Ans

✗ 1. 45 hours

✗ 2. 42 hours

✗ 3. 48 hours

✓ 4. 50 hours

Question ID : **6549782777**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

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

The exam was not so easy that we had expected.

Ans
- ✔ 1. as easy as
- ✘ 2. No substitution required
- ✘ 3. as easy so
- ✘ 4. such easy as

Question ID : **6549782810**
Status : **Answered**
Chosen Option : **2**

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

High time

Ans
- ✘ 1. well in time for something
- ✘ 2. time to fly high
- ✔ 3. past the appropriate time
- ✘ 4. time to celebrate something

Question ID : **6549782836**
Status : **Answered**
Chosen Option : **4**

Q.3 **Identify the segment in the sentence which contains a grammatical error.**

He is over eighty and dare not read without glasses.

Ans
- ✘ 1. over eighty and
- ✔ 2. dare not read
- ✘ 3. He is
- ✘ 4. without glasses

Question ID : **6549782805**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

Suman performed at the festival well yesterday.

Ans
- ✘ 1. yesterday at the festival well
- ✔ 2. well at the festival yesterday
- ✘ 3. No substitution required
- ✘ 4. at the festival yesterday well

Question ID : **6549782814**
Status : **Answered**
Chosen Option : **2**

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Q.5 Select the most appropriate synonym of the given word.

OBLIVIOUS

Ans
✗ 1. sensitive
✗ 2. obvious
✓ 3. ignorant
✗ 4. attentive

Question ID : **6549782828**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the most appropriate meaning of the given idiom.

Apple of discord

Ans
✗ 1. something very special
✓ 2. something that causes friction
✗ 3. a good opportunity
✗ 4. a tempting offer

Question ID : **6549782839**
Status : **Answered**
Chosen Option : **2**

Q.7 Select the most appropriate one-word substitution for the given group of words.

To cross streets on foot carelessly

Ans
✗ 1. catwalk
✓ 2. jaywalk
✗ 3. wander
✗ 4. stroll

Question ID : **6549782842**
Status : **Answered**
Chosen Option : **2**

Q.8 Identify the segment in the sentence which contains a grammatical error.

I am suitably dressed for the occasion, am I?

Ans
✓ 1. am I
✗ 2. I am
✗ 3. suitably dressed
✗ 4. for the occasion

Question ID : **6549782808**
Status : **Answered**
Chosen Option : **1**

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Q.9 **Select the most appropriate one-word substitution for the given group of words.**

Downfall that satisfies natural justice

Ans
1. paradox
2. climax
3. catharsis
4. nemesis

Question ID : **6549782845**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **Select the most appropriate meaning of the given idiom.**

To take stock of

Ans
1. to buy stocks
2. to assess a situation
3. to check the accounts
4. to store goods

Question ID : **6549782838**
Status : **Answered**
Chosen Option : **2**

Q.11 **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

I looked anywhere for my puppy but could not find it.

Ans
1. somewhere
2. No substitution required
3. nowhere
4. everywhere

Question ID : **6549782811**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the most appropriate ANTONYM of the given word.**

IGNOBLE

Ans
1. corrupt
2. craven
3. abject
4. dignified

Question ID : **6549782835**
Status : **Not Answered**
Chosen Option : **--**

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Q.13 **Fill in the blank with the most appropriate word.**

You have memorised your speech, _____ you?

Ans

✗ 1. hasn't

✗ 2. couldn't

✗ 3. didn't

✓ 4. haven't

Question ID : **6549782817**
Status : **Answered**
Chosen Option : **4**

Q.14 **Select the most appropriate one-word substitution for the given group of words.**

Travelling under a name other than one's own

Ans

✗ 1. impromptu

✓ 2. incognito

✗ 3. incredible

✗ 4. invisible

Question ID : **6549782843**
Status : **Answered**
Chosen Option : **1**

Q.15 **Fill in the blank with the most appropriate word.**

The fan was directly _____ my head.

Ans

✗ 1. at

✗ 2. on

✗ 3. below

✓ 4. over

Question ID : **6549782816**
Status : **Answered**
Chosen Option : **4**

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Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Malti had to wait long to see her son, Abhik. She had worked hard to (1)_____ her husband's last wish that Abhik should (2)_____ his higher education at Cambridge. Abhik (3)_____ to be meritorious and hardworking and had secured a seat. Making ends meet was (4)_____ and a trip back home in the vacation, (5)_____ for the mother and son.

SubQuestion No : 16

Q.16 Select the most appropriate option to fill in blank no. 1.

Ans

✗ 1. produce

✓ 2. fulfil

✗ 3. perform

✗ 4. finish

Question ID : **6549782821**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Malti had to wait long to see her son, Abhik. She had worked hard to (1)_____ her husband's last wish that Abhik should (2)_____ his higher education at Cambridge. Abhik (3)_____ to be meritorious and hardworking and had secured a seat. Making ends meet was (4)_____ and a trip back home in the vacation, (5)_____ for the mother and son.

SubQuestion No : 17

Q.17 Select the most appropriate option to fill in blank no. 2.

Ans

✗ 1. provide

✗ 2. approach

✗ 3. delete

✓ 4. pursue

Question ID : **6549782822**
Status : **Answered**
Chosen Option : **4**

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Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Malti had to wait long to see her son, Abhik. She had worked hard to (1)_____ her husband's last wish that Abhik should (2)_____ his higher education at Cambridge. Abhik (3)_____ to be meritorious and hardworking and had secured a seat. Making ends meet was (4)_____ and a trip back home in the vacation, (5)_____ for the mother and son.

SubQuestion No : 18

Q.18 Select the most appropriate option to fill in blank no. 3.

Ans

✔ 1. had proved

✘ 2. is proving

✘ 3. will prove

✘ 4. prove

Question ID : **6549782823**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Malti had to wait long to see her son, Abhik. She had worked hard to (1)_____ her husband's last wish that Abhik should (2)_____ his higher education at Cambridge. Abhik (3)_____ to be meritorious and hardworking and had secured a seat. Making ends meet was (4)_____ and a trip back home in the vacation, (5)_____ for the mother and son.

SubQuestion No : 19

Q.19 Select the most appropriate option to fill in blank no. 4.

Ans

✘ 1. inspiring

✔ 2. difficult

✘ 3. severe

✘ 4. worthy

Question ID : **6549782824**
Status : **Answered**
Chosen Option : **1**

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Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Malti had to wait long to see her son, Abhik. She had worked hard to (1)_____ her husband's last wish that Abhik should (2)_____ his higher education at Cambridge. Abhik (3)_____ to be meritorious and hardworking and had secured a seat. Making ends meet was (4)_____ and a trip back home in the vacation, (5)_____ for the mother and son.

SubQuestion No : 20

Q.20 Select the most appropriate option to fill in blank no. 5.

Ans

✗ 1. uncouth

✗ 2. unbearable

✓ 3. unaffordable

✗ 4. uncomfortable

Question ID : **6549782825**
Status : **Answered**
Chosen Option : **1**

Q.21 Select the misspelt word.

Ans

✓ 1. irritible

✗ 2. gallery

✗ 3. enmity

✗ 4. earnest

Question ID : **6549782847**
Status : **Answered**
Chosen Option : **1**

Q.22 Select the most appropriate synonym of the given word.

FLABBERGASTED

Ans

✗ 1. disturbed

✗ 2. motivated

✓ 3. astonished

✗ 4. terrified

Question ID : **6549782830**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the misspelt word.

Ans

✗ 1. millionaire

✓ 2. magnificient

✗ 3. mediocre

✗ 4. miraculous

Question ID : **6549782848**
Status : **Answered**
Chosen Option : **4**

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Q.24 Select the most appropriate synonym of the given word.

AUSPICIOUS

Ans
✔ 1. favourable
✘ 2. suspicious
✘ 3. hapless
✘ 4. playful

Question ID : **6549782826**
Status : **Answered**
Chosen Option : **2**

Q.25 Select the most appropriate ANTONYM of the given word.

INDUSTRIOUS

Ans
✘ 1. assiduous
✘ 2. diligent
✔ 3. indolent
✘ 4. productive

Question ID : **6549782834**
Status : **Answered**
Chosen Option : **3**

Q.26 Select the most appropriate ANTONYM of the given word.

FLEXIBLE

Ans
✘ 1. elastic
✘ 2. ductile
✘ 3. pliable
✔ 4. rigid

Question ID : **6549782832**
Status : **Answered**
Chosen Option : **4**

Q.27 Fill in the blank with the most appropriate word.

The man _____ book you are reading is my father.

Ans
✘ 1. that
✘ 2. who
✔ 3. whose
✘ 4. whom

Question ID : **6549782818**
Status : **Answered**
Chosen Option : **3**

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Q.28 Select the most appropriate one-word substitution for the given group of words.

To separate husk from the grain

Ans
1. willow
2. whisk
3. winnow
4. whip

Question ID : **6549782841**
Status : **Answered**
Chosen Option : **3**

Q.29 Select the misspelt word.

Ans
1. pierce
2. relieve
3. deceive
4. riegn

Question ID : **6549782849**
Status : **Answered**
Chosen Option : **4**

Q.30 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Have taken permission , Shivam went horse riding.

Ans
1. No substitution required
2. Have took permission
3. Having taken permission
4. Having taking permission

Question ID : **6549782813**
Status : **Answered**
Chosen Option : **3**

Q.31 Select the most appropriate synonym of the given word.

AUTHENTIC

Ans
1. incredible
2. genuine
3. dubious
4. counterfeit

Question ID : **6549782829**
Status : **Answered**
Chosen Option : **2**

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Q.32 **Identify the segment in the sentence which contains a grammatical error.**

Either Ramesh or Reema have the keys to the cupboard.

Ans
- ✔ 1. or Reema have
- ✘ 2. the keys
- ✘ 3. Either Ramesh
- ✘ 4. to the cupboard

Question ID : **6549782809**
Status : **Answered**
Chosen Option : **1**

Q.33 **Select the most appropriate meaning of the given idiom.**

Make up one's mind

Ans
- ✘ 1. to achieve
- ✘ 2. to lie
- ✔ 3. to decide
- ✘ 4. to pretend

Question ID : **6549782837**
Status : **Answered**
Chosen Option : **3**

Q.34 **Identify the segment in the sentence which contains a grammatical error.**

The information you are asking for is quite irrelevance.

Ans
- ✘ 1. The information
- ✘ 2. you are
- ✘ 3. asking for
- ✔ 4. is quite irrelevance

Question ID : **6549782807**
Status : **Not Answered**
Chosen Option : **--**

Q.35 **Identify the segment in the sentence which contains a grammatical error.**

She will come to work though it doesn't rain tomorrow.

Ans
- ✔ 1. though it doesn't
- ✘ 2. to work
- ✘ 3. rain tomorrow
- ✘ 4. She will come

Question ID : **6549782806**
Status : **Not Answered**
Chosen Option : **--**

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Q.36 Select the most appropriate ANTONYM of the given word.

FEROCIOUS

Ans
1. ruthless
2. fearless
3. gentle
4. brutal

Question ID : **6549782831**
Status : **Not Answered**
Chosen Option : **--**

Q.37 Select the most appropriate one-word substitution for the given group of words.

Irresistible impulse to steal

Ans
1. kleptomania
2. plunder
3. sabotage
4. megalomania

Question ID : **6549782844**
Status : **Answered**
Chosen Option : **1**

Q.38 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I am certain Ashok has finished his work by tomorrow.

Ans
1. would have finish
2. No substitution required
3. will have finished
4. had finished

Question ID : **6549782812**
Status : **Answered**
Chosen Option : **3**

Q.39 Select the misspelt word.

Ans
1. explotion
2. carriage
3. descent
4. cautious

Question ID : **6549782846**
Status : **Answered**
Chosen Option : **1**

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Q.40 Select the misspelt word.

Ans
✗ 1. accommodate
✗ 2. occurred
✗ 3. oppressed
✓ 4. ommission

Question ID : **6549782850**
Status : **Answered**
Chosen Option : **4**

Q.41 Select the most appropriate synonym of the given word.

GRADUAL

Ans
✗ 1. abrupt
✗ 2. hasty
✗ 3. uneven
✓ 4. continuous

Question ID : **6549782827**
Status : **Answered**
Chosen Option : **2**

Q.42 Fill in the blank with the most appropriate word.

We cannot delay the project _____ it is urgent.

Ans
✗ 1. as if
✗ 2. than
✓ 3. because
✗ 4. although

Question ID : **6549782815**
Status : **Answered**
Chosen Option : **3**

Q.43 Select the most appropriate ANTONYM of the given word.

HUMILITY

Ans
✗ 1. timidity
✗ 2. servility
✓ 3. vanity
✗ 4. modesty

Question ID : **6549782833**
Status : **Answered**
Chosen Option : **4**

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Q.44 **Fill in the blank with the most appropriate word.**

It is not easy to distinguish a loyal friend _____ a flatterer.

Ans
✔ 1. from
✘ 2. and
✘ 3. among
✘ 4. between

Question ID : **6549782819**
Status : **Answered**
Chosen Option : **3**

Q.45 **Select the most appropriate meaning of the given idiom.**

Sitting on a gold mine

Ans
✔ 1. to own something potentially valuable
✘ 2. secretly hunting for something precious
✘ 3. not availing of an opportunity
✘ 4. wasting a vast treasure

Question ID : **6549782840**
Status : **Answered**
Chosen Option : **1**

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Comprehension:

Read the given passage and answer the questions that follow.

Early written symbols were based on pictographs (pictures which resemble what they signify) and ideograms (symbols which represent ideas). Ancient Sumerian, Egyptian, and Chinese civilizations began to adapt such symbols to represent concepts, developing them into logographic writing systems. Pictographs are still in use as the main medium of written communication in some non-literate cultures in Africa, the Americas, and Oceania. Pictographs are often used as simple, pictorial, representational symbols by most contemporary cultures.
Pictographs can be considered an art form, or can be considered a written language and are designated as such in Pre-Columbian art, Native American art, Ancient Mesopotamia and Painting in the Americas before Colonization. One example of many is the Rock art of the Chumash people, part of the Native American history of California.
An early modern example of the extensive use of pictographs may be seen in the map in the London suburban timetables of the London and North Eastern Railway, 1936-1947, designed by George Dow, in which a variety of pictographs was used to indicate facilities available near each station. Pictographs remain in common use today, serving as pictorial, representational signs, instructions, or statistical diagrams. Because of their graphical nature and fairly realistic style, they are widely used to indicate public toilets, or places such as airports and train stations. Because they are a concise way to communicate a concept to people who speak many different languages, pictograms have also been used extensively at the Olympics since 1964 Summer Olympics, and are redesigned for each set of games.
Pictographs can often transcend languages in that they can communicate to speakers of a number of tongues and language families equally effectively, even if the languages and cultures are completely different. This is why road signs and similar pictographic material are often applied as global standards expected to be understood by nearly all.
A standard set of pictographs was defined in the international standard ISO 7001: Public Information Symbols. Other common sets of pictographs are the laundry symbols used on clothing tags and the chemical hazard symbols as standardised by the GHS system.
Pictograms have been popularised in use on the web and in software, better known as 'icons' displayed on a computer screen in order to help users navigate a computer system or mobile device.

SubQuestion No : 46

Q.46 Early civilisations used symbols to represent:

Ans

✗ 1. art

✗ 2. facilities

✓ 3. concepts

✗ 4. culture

Question ID : **6549782852**
Status : **Not Answered**
Chosen Option : **--**

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Comprehension:

Read the given passage and answer the questions that follow.

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SubQuestion No : 47

Q.47 Pictographs are used in Olympic games because:

Ans

✗ 1. they are the main medium of written communication

✓ 2. they can transcend languages and convey information effectively

✗ 3. they can help to navigate computer systems

✗ 4. they can be redesigned for each set of games

Question ID : **6549782855**
Status : **Answered**
Chosen Option : **4**

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Comprehension:

Read the given passage and answer the questions that follow.

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SubQuestion No : 48

Q.48 What is the passage mainly about?

Ans

✔ 1. Use of pictographs in ancient and modern times

✘ 2. Pictographs as an art form

✘ 3. Limitations of pictographs

✘ 4. The origin of pictographs

Question ID : **6549782856**
Status : **Answered**
Chosen Option : **1**

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Comprehension:

Read the given passage and answer the questions that follow.

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SubQuestion No : 49

Q.49 Which of the following is an early example of use of pictographs in modern times?

Ans

✗ 1. Logographic writing system

✗ 2. Icons on a computer screen

✓ 3. London railway timetable

✗ 4. Chemical hazard symbols

Question ID : **6549782853**
Status : **Answered**
Chosen Option : **3**

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Comprehension:

Read the given passage and answer the questions that follow.

Early written symbols were based on pictographs (pictures which resemble what they signify) and ideograms (symbols which represent ideas). Ancient Sumerian, Egyptian, and Chinese civilizations began to adapt such symbols to represent concepts, developing them into logographic writing systems. Pictographs are still in use as the main medium of written communication in some non-literate cultures in Africa, the Americas, and Oceania.
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SubQuestion No : 50

Q.50 Which of the following statements is NOT true?

Ans

✗ 1. Ideograms are symbols which represent ideas.

✓ 2. Rock art of Chumash people is part of Mesopotamian history.

✗ 3. George Dow used pictographs to represent facilities near each train station.

✗ 4. Pictographs are widely used to depict road signs.

Question ID : **6549782854**
Status : **Answered**
Chosen Option : **2**

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