## Adda247

Sub Inspector in Delhi Police and Central Armed Police Forces Examination 2024 Paper I Exam

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name | Our Little Angels Home |
| Exam Date | $28 / 06 / 2024$ |
| Exam Time | 4:00 PM - 6:00 PM |
| Subject | SICPO Paper I 2024 |

Section: General Intelligence and Reasoning
Q. 1 Select the figure from among the given options that can logically replace the question mark (?) in the following series.


Ans


Question ID : 630680867760
Option 1 ID : 6306803398685
Option 2 ID : 6306803398687
Option 3 ID : 6306803398684
Option 4 ID : 6306803398686 Status: Answered
Q. 2 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
$(16,48,4)$
$(24,72,6)$
Ans
X 1. $(21,60,6)$
X 2. $(20,60,6)$
X 3. $(21,60,5)$
4. $(20,60,5)$
Q. 3 In a certain code language, 'god is great' is coded as 'tg so rf' and 'we love god' is coded as 'ae rf xd'. How is 'god' coded in that language?
Ans
X1.xd
2. rf
3. tg
4. ae
Q. 4 Select the Venn diagram that best illustrates the relationship between the following classes.
Teacher, Guitarist, Lawyer
Ans
$\times 1$.

$\checkmark 2$.

$\times 3$.

$\times 4$.


Question ID : 630680417388
Option 1 ID : 6306801628318
Option 2 ID : 6306801628317
Option 3 ID : 6306801628315
Option 4 ID : 6306801628316
Q. 5 Anil starts from point $A$ and drives 8 km towards North. He then takes a right turn, drives 2 km , turns right and drives 11 km . He then takes a right turn and drives 5 km . He takes a final right turn, drives 3 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90 degrees turns only unless specified.)
Ans
1.3 km towards East

X 2. 2 km towards East
X 3. 2 km towards West
4. 3 km towards North

Q. 6 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd letter-cluster is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans

1. QNR

X 2. TQV
3. NKP
4. KHM
Q. 7 Point A is 35 m to the east of Point B. Point $C$ is 48 m to the north of Point A. Point $D$ is 23 m to the east of Point C. Point $D$ is 14 m to the north of Point $E$. Point $E$ is 48 m to the east of Point $F$. In which direction is Point $F$ with respect to Point $A$ ?
Ans
X 1. North-east
2 2. North
X 3. East
4. North-west
Q. 8 Select the option that is related to the third word in the same way as the second word is related to the first word.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/ vowels in the word.)
Summon : Call :: Disperse : ?
Ans
X 1. Surround
X 2. Remove
3. Spread
4. Disappear
Q. 9 In a code language, 'MARS' is written as 'KXPP', and 'BODY' is written as 'ZLBV'. How will 'TEST' be written in that language?
Ans

1. RBQQ
2. RQBQ
3. QQRB
4. QRQB
Q. 10 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
5. Breathable
6. Brevetting
7. Breakfast
8. Breviaries
9. Breacher
10. Breakthrough

Ans
X 1.5,6,3,1,4, 2
X2.6,5,3,1,4, 2
3. $6,3,5,1,2,4$
4. $5,3,6,1,2,4$
Q. 11 Find the two signs to be interchanged for making the following equation correct. $6+3 \times 8-12 \div 4=4$
Ans

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

Question ID : 630680411796
Option 1 ID : 6306801606022
Option 2 ID : 6306801606020
Option 3 ID : 6306801606019
Option 4 ID : 6306801606021
Q. 12 Which of the following numbers will replace the question mark (?) in the given series?

192, 185, 171, ?, 122, 87
Ans
<1. 149
2. 147
3. 151
4. 150
Q. 13 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 cards are plastics.
Some plastics are woods.
Conclusions:
I. Some cards are woods.
II. No card is a wood.

Ans
X 1. Only conclusion II follows
X 2. Neither conclusion I nor II follows
X 3. Only conclusion I follows
4. Either conclusion I or II follows
Q. 14 The sequence of folding a paper and the manner in which the folded paper is cut is shown in the following figures. How would this paper look when unfolded?


Ans

Question ID : 630680344221
Option 1 ID : 6306801339197
Option 2 ID : $\mathbf{6 3 0 6 8 0 1 3 3 9 1 9 9}$
Option 3 ID : $\mathbf{6 3 0 6 8 0 1 3 3 9 2 0 0}$
Option 4 ID : $\mathbf{6 3 0 6 8 0 1 3 3 9 1 9 8}$
Status: Answered
Chosen Option : 1
Q. 15 Which letter cluster will replace the question mark (?) to complete the given series? YFJW, BJEC, ?, HRUO, KVPU
Ans
X 1. EHSI
X 2. TDFI
X 3. NWRF
4. ENZI
Q. 16 Which of the following letter-clusters will replace the question mark (?) in the given series?
AM, DK, GI, JG, ?
Ans
X 1.NE
X 2. ND
X 3.MD
4. ME
Q. 17 In a certain code language,
' $A+B$ ' means ' $A$ is the father of $B$ '
' $A$ - $B$ ' means ' $B$ is the sister of $A$ '
' $A \times B$ ' means ' $A$ is the wife of $B$ '
' $A \div B$ ' means ' $A$ is the mother of $B$ '
Based on the above, how is $L$ related to $K$ if ' $N \times M-K \div L+P^{\prime}$ ?
Ans
X 1. Mother
$X$ 2. Father
3. Brother
4. Son

Question ID : 630680296562
Option 1 ID : 6306801153901
Option 2 ID : 6306801153899
Option 3 ID : 6306801153902
Option 4 ID : 6306801153900
Q. 18 If ' $A$ ' stands for ' - ', ' $B$ ' stands for ' $x$ ', ' $C$ ' stands for ' + ' and ' $D$ ' stands for ' - ', what will come in place of the question mark (?) in the following equation? 8 B 9 C 49 A 7 D $25=$ ?
Ans
X 1.25

- 2.54
$\times 3.57$
4.62
Q. 19 A dice has letters M, Q, R, S, T and V on its sides. Two different positions of the same dice are shown below. Select the letter that will be on the face opposite to the one having $\mathbf{V}$.
R M


Ans
X1.Q
X2. M
3.S

X4. $\mathbf{T}^{2}$
Q. 20 In a code language, 'GOOD' is written as 'HMPB', and 'HALL' is written as 'IYMJ'. How will 'TOOL' be written in that language?

Ans
X 1.JUMP
X 2. PUMJ
3. UPJM
4. UMPJ

Question ID : 630680416681
Option 1 ID : 6306801625490
Option 2 ID : 6306801625489
Option 3 ID : 6306801625487
Option 4 ID : 6306801625488
Status: Answered
Chosen Option: 4
Q. 21 In a code language, 'HOPE' is coded as 'FRRL' and 'TAIL' is coded as 'MKDX'. How will 'STORY' be coded in the same language?

Ans
X 1. ZRTXX
X 2. ZTRYY
3. ZRTYY
4. ZTRXX

Question ID : 630680302863
Option 1 ID : 6306801178115
Option 2 ID : 6306801178114
Option 3 ID : 6306801178116
Option 4 ID : 6306801178117
Q. 22 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(128, 62, 190)
(114, 86, 200)
Ans
X 1. $(98,68,146)$
X 2. $(102,73,165)$
3. $(95,54,149)$

X 4. $(106,69,195)$
Q. 23 Which of the following numbers will replace the question mark (?) in the given series? $6,10,15,21, ?, 36,45$
Ans $\times 1.30$
$\times 2.31$

- 3.28

X 4.26

Question ID : 630680411870
Option 1 ID : 6306801606315
Option 2 ID : 6306801606318
Option 3 ID : 6306801606316
Option 4 ID : 6306801606317
Status: Answered
Chosen Option: 3
Q. 24 Three different positions of the same dice are given. Find the number on the face opposite to the face showing ' 4 '.


Ans $\times 1.5$

- 2.2
$\times 3.1$
$\times 4.6$
Q. 25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.


Ans

$\times 2$

X 3


Q. 26 If ' $A$ ' stands for ' + ', ' $B$ ' stands for ' - ', ' $C$ ' stands for ' $x$ ' and ' $D$ ' stands for ' $\because$ ', what will come in place of the question mark (?) in the following equation?

6 C 7 C 8 B 71 A 11 B 32 C $2=$ ?
Ans
X1.198
X 2.228
2. 212
4. 192
Q. 27 A dice has its faces named by letters B, C, D, R, S and T. Two positions of the same dice are given below. Which face is opposite to face $R$ ?


Ans
X1.D
2. B
$\times 3$. $\mathbf{T}$
X4.s

Question ID : 630680867793
Option 1 ID : 6306803398817
Option 2 ID : 6306803398816
Option 3 ID : 6306803398819
Option 4 ID: 6306803398818
Status: Answered
Chosen Option : 2
Q. 28 Which of the following interchanges of signs would make the given equation correct? $40+45 \times 5-12 \div 4=1$
Ans

- 1. $\div$ and $\times$

X 2. - and $\times$
X $3 .+$ and $\times$
X 4. - and +
Q. 29 In a certain code language, 'APPLE' is coded as 250 and 'BERRY' is coded as 340. How will 'LITCHI' be coded in the same language?

Ans
X 1.330
$\times 2.306$
3. 305
4. 350
Q. 30 Which two signs should be interchanged to make the given equation correct?
$16 \times 121 \div 11+4-10=50$
Ans

1.     + and $\times$

X 2. - and $\div$
X $3 . \div$ and +
4. + and -

Question ID : 630680411801
Option 1 ID : 6306801606041
Option 2 ID : 6306801606040
Option 3 ID : 6306801606039
Option 4 ID : 6306801606042
Q. 31 Which of the following numbers will replace the question mark (?) in the given series? 80, 101, 120, ?, 168

Ans $\times 1.143$
X2. 147
2. 145
4.149

Q. 32 In a certain code language, 'FEED' is written as ' 24 ', and 'ACCOUNT' is written as ' 42 '. How will 'PIZZA' be written in that language?
Ans $\times 1.38$
$\times 2.36$
$\times 3.40$
4. 30

Question ID : 630680416613
Option 1 ID : 6306801625215
Option 2 ID : 6306801625217
Option 3 ID : 6306801625218
Option 4 ID : 6306801625216
Status: Answered
Chosen Option : 4
Q. 33 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

## Merga 52

N

Ans


× ${ }^{3}$ S C $\boldsymbol{6 r g} \boldsymbol{g} \mathbf{M}$

Q. 34 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:

1) Some snacks are meals.
2) All juices are snacks.

Conclusions:
I. All juices can never be meals.
II. All meals are snacks.

Ans

1. Only Conclusion II follows.

X 2. Both Conclusions I and II follow.
X 3. Only Conclusion I follows.
2. Neither Conclusion I nor II follows.
Q. 35 Select the option that indicates the correct arrangement of the given words in the order in which they appear in an English dictionary.
1- Perplex
2- Peroration
3- Perpetrate
4- Perpetuity
5- Perpetual
Ans

1. $2,3,5,4$, 1

X 2.1,2, 4, 3, 5
X 3.3,2, 4, 5, 1
X4.4,2,5,3,1
Q. 36 Identify the figure given in the options which when put in place of '?' will logically complete the series.


Ans


Question ID : 630680366165
Option 1 ID : 6306801426188
Option 2 ID : 6306801426186
Option 3 ID : 6306801426187
Option 4 ID : 6306801426185
Q. 37 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.


Ans

$\times 2$

$\times 3$

$\times 4$


Q. 38 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:
Some streams are rivers.
Some rivers are oceans.
Conclusions:
I. Some streams are oceans.
II. All rivers are oceans.

Ans
X 1 . Only conclusion I follows
2. Both conclusions I and II follow
3. Only conclusion II follows
4. Neither conclusion I nor II follows
Q. 39 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
UNREAL : MCHVSA :: CREATE : FVDIWI :: AROUND : ?
Ans
X 1. FPXSWF
X 2. FQXSWG
X 3. EPXSXE
4. EPXSWG
Q. 40 Select the number from among the given options that can replace the question mark
(?) in the following series.
$45,46,50,59,75$, ?
Ans $\times 1.95$
2. 100
$\times 3.105$
$\times 4.90$

Question ID : 630680411928
Option 1 ID : 6306801606549
Option 2 ID : 6306801606550
Option 3 ID : 6306801606548
Option 4 ID : 6306801606547
Q. 41 Six students - A, B, C, D, E and F - are sitting around a circular table, facing the centre.
$A$ is the immediate neighbour of both $E$ and $F$.
$B$ is sitting second to the right of $E$.
$D$ is sitting third to the left of $F$.
$C$ is the immediate neighbour of both $B$ and $F$.
Who among the following is the immediate neighbour of both $A$ and $D$ ?
Ans

1. E

X2. B
X3.
X4. F
Q. 42 A dice has its faces marked by symbols $\theta, \delta, \omega, \varepsilon, \eta$ and \%. Two positions of the same dice are given below. Which face is opposite to face $\%$ ?


Ans
X1. $\eta$
$\times 2 . \theta$
X 3. $\omega$
4. $\varepsilon$

Q. 43 In a certain code language,
' $A \times B$ ' means ' $A$ is the son of $B$ ',
' $A$ - $B$ ' means ' $A$ is the brother of $B$ ',
' $A+B$ ' means ' $A$ is the wife of $B$ ',
' $A$ \% $B$ ' means ' $A$ is the father of $B$ '.
How is $M$ related to $T$ if ' $M \times N+P-S \% T^{\prime}$ ?
Ans
X 1. Wife's father's brother
2. Father's brother's son

X 3. Mother's mother's brother
X 4. Mother's brother
Q. 44 Identify the figure given in the options which when put in place of (?) will logically complete the series.


Ans
$\times 1$.

$\times 2$


- 3. 




## Chosen Option: 3

Q. 45 Which of the following terms will replace the question mark (?) in the given series? RJO, SKP, TLQ,?

Ans
$X$ 1. GRS
X 2. MRW
2. UMR

X4. HKL
Q. 46 If ' $A$ ' stands for ' + ', ' $B$ ' stands for ' - ', ' $C$ ' stands for ' $x$ ' and ' $D$ ' stands for ' $\because$ ', what will come in place of the question mark (?) in the following equation?

74 A (17 C 2 B 24) D 2 A 16 C 3 B $8=?$
Ans
-1. 119
X 2.134
$\times 3.128$
4. 109
Q. 47 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
$(195,65,13)$
$(255,85,17)$
Ans $\quad$ 1. $1280,95,19)$
2. $(285,95,19)$
3. $(285,90,19)$
4. $(285,95,21)$

Question ID : 630680344673
Option 1 ID : 6306801341001
Option 2 ID : 6306801341002
Option 3 ID : 6306801341003
Option 4 ID : 6306801341004
Status: Answered
Chosen Option : 2
Q. 4812 is related to 16 following a certain logic. Following the same logic, 18 is related to 24. Which of the following numbers is related to 28 using the same logic?

Ans

1. 21
$\times 2.22$
2. 23
3. 24
Q. 49 If ' $A$ ' stands for ' - ', ' $B$ ' stands for ' $x$ ', ‘ $C$ ' stands for ' + ' and ' $D$ ' stands for ' - ', what will come in place of the question mark in the following equation?
8 B 9 C 49 A 7 D 25 = ?
Ans
$\times 1.44$
$\times 2.52$

- 3.54
$\times 4.56$

Question ID : 630680411660
Option 1 ID : 6306801605477
Option 2 ID : 6306801605475
Option 3 ID : 6306801605476
Option 4 ID : 6306801605478
Status: Answered
Chosen Option: 3
Q. 50 Select the pair which is related to each other in the same way as the following -

72:27
Ans $\times 1.27: 45$
2. $56: 33$

X 3. 32:14
4. 48:24

Question ID : 630680110734
Option 1 ID : 630680429015
Option 2 ID : 630680429013
Option 3 ID : 630680429016
Option 4 ID : 630680429014
Status : Not Answered
Chosen Option : --

Section : General Knowledge and General Awareness
Q. 1 Why are the intermediate goods NOT included in the National Income?

Ans

1. For the prevention of double accounting.

X 2. Intermediate goods decreases the income.
X 3. Intermediate goods are not reliable.
X 4. Intermediate goods increases the income.
Q. 2 Who among the following is a famous personality of the dance form Mohiniyattam?

Ans
X 1. Sitara Devi
X 2. Damayanti Joshi
X 3. Pandit Birju Maharaj
4. Sunanda Nair
Q. 3 Brij Bhushan Kabra was considered an expert in which of the following instruments in the field of Indian classical music?
Ans

1. Veena
2. Guitar
3. Santoor
4. Violin

Question ID : 630680409274
Option 1 ID : 6306801595927
Option 2 ID : 6306801595926
Option 3 ID : 6306801595928
Option 4 ID : 6306801595925 Status: Answered

Chosen Option : 2
Q. 4 Identify the option that contains the correct sequence of Indian states in terms of decreasing average annual rainfall.
Ans

1. Rajasthan > Assam > Bihar
2. Haryana > Bihar > Rajasthan
3. Assam > Bihar > Rajasthan
4. Uttar Pradesh > Bihar > West Bengal

Q. 5 What is the national male workforce participation rate as per the Census of India 2011?

Ans

1. $53.26 \%$
2. $51.26 \%$
3. $50.26 \%$
4. $52.26 \%$
Q. 6 What is the name of the northern part of the western coastal plain between Mumbai and Goa?

Ans

1. Konkan coast
2. Coromandel coast
3. Malabar coast
4. Kannad plain
Q. 7 Which amongst the following statements about the Indian social reformers of the 19th century is INCORRECT?
Ans 1. Ishwar Chandra Vidyasagar was the founder of the Brahmo Samaj.
5. The Aligarh Movement was started by Sir Syed Ahmad Khan in 1875.
6. Mahadev Govind Ranade is associated with the Poona Sarvajanik Sabha
7. Dayanand Saraswati founded the Arya Samaj in 1875.

## Q. 8 Which of the following is an INCORRECTLY stated social impact of the Green

 Revolution?Ans $\quad$ 1. Primarily, the medium and large farmers were benefited
X 2. Worsened the condition of landless and marginal farmers
3. Only farmers involved in subsistence agriculture were benefitted
$\times 4$
4. There was displacement of service caste group

Q. 9 The $42^{\text {nd }}$ Amendment of the Indian Constitution (1976) states that India is a/an
$\qquad$ nation.
Ans
X 1. aristocratic
X 2. oligarchic
X 3. capitalist

- 4. secular
Q. 10 Choose the correct statement about the peninsular rivers.
a. The Narmada rises in the Malwa plateau.
b. The Godavari rises from the slopes of the Western Ghats near Nashik.
c. The Mahanadi rises in the highlands of Chhattisgarh.
d. The Krishna rises from a spring near Mahabaleshwar.

Ans

1. Only b, c and d
2. Only a, b and c

X 3. a, b, c and d
4. Only a, c and d

Question ID : 630680407378
Option 1 ID : 6306801588452
Option 2 ID : 6306801588450
Option 3 ID : 6306801588453
Option 4 ID : 6306801588451
Status : Not Answered
Chosen Option: --
Q. 11 Who among the following are eligible for free legal aid under the National Legal Services Authority?
A.A member of a Scheduled Caste or Scheduled Tribe.
B.A victim of trafficking in human beings or beggar as referred to in Article 23 of the Constitution
C.An industrial workman
D.A person under circumstances of undeserved want such as being a victim of a mass disasters
E.To file any case in Supreme Court, if any person need free legal aid, the person's annual income must be below 10 lakhs.
Ans
X 1. B, C and D only
2. A, B, C, D and E
3. A, B, C and D only
4. A, B and E only
Q. 12 Which of the following was NOT an advantage of privatisation?

Ans $\quad$ 1. Additional source of revenue for the government
2. Low interference of political motives

X 3. Overall improved performance
4. Reduced competition
Q. 13 Tattvabodhini Patrika promoted the study of India's past in which language?

Ans
X 1. Sanskrit
2. Bengali
3. Hindi
4. English

Question ID : 630680309341
Option 1 ID : 6306801203523
Option 2 ID : 6306801203524
Option 3 ID : 6306801203522
Option 4 ID : 6306801203521
Status : Not Answered
Chosen Option : --
Q. 14 In Andhra region, who among the following translated a few portions of Mahabharata in Telugu?

Ans

1. Nanniah
2. Tikkanna
3. Kamban

X 4. Pampa


Q. 15 Who among the following was the founding president of the Indian Olympic Association?

Ans
X 1. Dadabhai Naoroj
2. Jamsetji Tata
3. AG. Noehren
4. Dorabji Tata
Q. 16 Pt. Shiv Kumar Sharma, an accomplished Santoor player, originally hails from the State /UT of:

Ans 1. Jammu and Kashmir
2. Lakshadweep

X 3. Assam
4. Himachal Pradesh
Q. 17 The Carnatic classical vocalist and first ever musician to receive the Bharat Ratna award, also known as 'Queen of songs', is $\qquad$ .

Ans

1. Shubha Mudgal
2. Girija Devi
3. MS Subbulakshmi
4. Gangubai Hangal

Question ID : 630680415794
Option 1 ID : 6306801621942
Option 2 ID : 6306801621939
Option 3 ID : 6306801621941
Option 4 ID : 6306801621940
Status : Not Answered
Chosen Option : --
Q. 18 A Flight of Pigeons is a famous book written by $\qquad$ -.
Ans

1. Ruskin Bond

X 2. Salman Rushdie
X 3. Khushwant Singh
X 4. Vikram Seth

Question ID : 630680701386
Option 1 ID : 6306802747481
Option 2 ID : 6306802747484
Option 3 ID : 6306802747482
Option 4 ID : 6306802747483
Status : Not Answered
Chosen Option : --
Q. 19 Which unit is used to measure the concentration of contaminants in soil and sediment?
Ans
X 1. PPBB
2. TDS
3. DPMO
4. PPM
Q. 20 Who among the following is the author of the book 'The Oath of the Vayuputras'?

Ans
X 1. Indrapramit Das
X 2. Vikram Chandra
3. Amish Tripathi
4. Ravi Subramanian
Q. 21 The $\qquad$ project has been organised by the Central government for the villagers, to conserve water for drinking, irrigation, fisheries and afforestation.
Ans $\quad$ 1. Neeru-Meeru
2. Haryali

X 3. Chipko andolan
4. Arvary Pani Sansad
Q. 22 Devanampriya Piyadasi is another name for whom among the following Mauryan kings?
Ans
X 1. Samprati
2. Ashoka

X 3. Shatadhanvan
4. Bindusara

Q. 23 To what phylum does a blood sucking leech belong?

Ans $\times 1$.Aschelmenthis
2. Cnidarian
3. Platyhelminthes
4. Annelida
Q. 24 Who described the algae Spirogyra in 1674 and named the motile organisms Animalcules, meaning 'little animals'?
Ans

1. Maurice Wilkins
2. Anton Van Leeuwenhoek
3. Robert Remak
4. Barthelemy Dumortier
Q. 25 Which of the following mountains of India is famous for tea and coffee production?

Ans
X 1. Aravali
X 2. Vidhyanchal
X 3. Himalaya
4. Nilgiri

Question ID : 630680409637
Option 1 ID : 6306801597378
Option 2 ID : 6306801597380
Option 3 ID : 6306801597377
Option 4 ID : 6306801597379 Status: Answered

Chosen Option : 4
Q. 26 Which Article of the Indian Constitution mentions that a person may be appointed as the Governor of two or more states?
Ans

1. Article 153

X 2. Article 150
X 3. Article 151
X 4. Article 152

Q. 27 Which of the following statements is correct about 'Loo' winds in the context of the Indian climate?
Ans

1. They blow in the winter and rainy season.
2. They blow in the summer season.
$X 3$. They blow in the winter season.
3. They blow in the rainy season.
Q. 28 Which part of the bifocal lens facilitates near vision?

Ans
X 1. Lower part with concave lens
X 2. Upper part with convex lens
3. Lower part with convex lens

X 4. Upper part with concave lens
Q. 29 Shovana Narayan has been honoured with the Padma Shri for her contribution to which Indian dance form?
Ans

1. Kathakali
2. Kathak

X 3. Kuchipudi
X 4. Odissi
Q. 30 Dalkhai is a popular folk dance of:

Ans
X 1. Bihar
2. Uttar Pradesh
3. Odisha

X4. Punjab

Q. 31 Which Article specifies the procedure for amending the Indian Constitution?

Ans
X 1. Article 367
2. Article 368

X 3. Article 365
4. Article 366
Q. 32 Which Article of the Indian Constitution mentions about the salaries and allowances of members of the Legislative Assembly and the Legislative Council of a state?
Ans

1. Article 199

X 2. Article 198
3. Article 195
4. Article 194
Q. 33 Indian Classical Dance is an umbrella under which various performing arts whose theory and practice can be traced to the Sanskrit text, Natya-Shastra, the foundational treatise by:
Ans
X 1. Bhasa
X 2. Panini
X 3. Patanjali
4. Bharata Muni
Q. 34 Which of the following is the main active ingredient of clove oil?

Ans

1. Eugenol

X 2. Curcuma
X 3. Malic acid
X 4. Tartaric acid

Q. 35 As per the National Multidimensional Poverty Index Report 2023, which of the following states has the least population concentration in the Multidimensional poverty index?
Ans $\times 1$. Tamil Nadu
2. Kerala

X 3. Goa
X4. Sikkim

Question ID : 630680869486
Option 1 ID: 6306803405378
Option 2 ID : 6306803405377
Option 3 ID : 6306803405380
Option 4 ID : 6306803405379
Status : Not Answered
Chosen Option : --
Q. 36 2-Methylpropan-2-ol is commonly known as:

Ans 1.tert-butyl alcohol
2. prim-propyl alcohol
3. ethyl alcohol
4. methanol

Question ID : 630680305587
Option 1 ID : 6306801188721
Option 2 ID : 6306801188723
Option 3 ID : 6306801188722
Option 4 ID : 6306801188724
Status : Not Answered
Chosen Option : --
Q. 37 The inaugural edition of the National Beach Soccer Championship was held at
$\qquad$ in 2023.

Ans

1. Surat

X 2. Daman
$\times$ 3. Diu
X4.Goa

Q. 38 In which year was the Department of Sports transformed into the Department of Youth Affairs and Sports?

Ans
X1. 1984
2. 1985
3. 1983
4. 1982
Q. 39 The Tableau of which of the following states was given the title of 'Best Tableau' on Republic Day, 2023, which was themed as 'Manaskhand'?

Ans

1. Uttarakhand
2. Bihar
3. Jharkhand
4. Assam

Question ID : 630680410357
Option 1 ID : 6306801600161
Option 2 ID : 6306801600160
Option 3 ID : 6306801600159
Option 4 ID : 6306801600162
Status : Not Answered
Chosen Option : --
Q. 40 What was the main purpose of establishing the Agricultural Prices Commission in 1965?

Ans 1. To determine the prices for various farm products purchased by the government
$\chi$ 2. To determine the price of fertiliser and electricity paid by farmers
X 3. To determine the price of seeds used in agriculture
X 4. To determine the prices for various farm products for sale in the open market
Q. 41 In which of the following years did Antoine Lavoisier discover the law of conservation of mass and state that mass is conserved in a chemical reaction?

Ans

1. 1786
2. 1787
3. 1788
4. 1789

Question ID : 63068070362
Option 1 ID : 630680272074
Option 2 ID : 630680272075
Option 3 ID : 630680272076
Option 4 ID : 630680272077
Status : Not Answered
Chosen Option : --
Q. 42 Which festival is popularly known as the festival of light?

Ans
$X 1$. Bihu
X 2. Navratri
3. Diwali

X 4. Holi

Question ID : 630680409213
Option 1 ID : 6306801595684
Option 2 ID : 6306801595681
Option 3 ID : 6306801595683
Option 4 ID : 6306801595682 Status : Answered

Chosen Option : 3
Q. 43 One mole of Aluminium Sulphate $\mathrm{Al}_{2}\left(\mathrm{SO}_{4}\right)_{3}$ contains:

Ans
X 1.4 moles of oxygen atoms
2. 3 moles of oxygen atoms
3. 12 moles of oxygen atoms
4. 6 moles of oxygen atoms


| Question ID : 630680309359 |
| :---: | :---: |
| Option 1 ID : 6306801203593 |
| Option 2 ID : 6306801203594 |
| Option 3 ID : 6306801203595 |
| Option 4 ID : 6306801203596 |
| Status : Answered |
| Chosen Option : 3 |

Q. 44 How much percentage of the capital of MUDRA is contributed by SIDBI?

Ans $\times 1.75$
2. 100
$\times 3.50$
$\times 4.90$

Question ID : 630680407151
Option 1 ID : 6306801587547
Option 2 ID : 6306801587549
Option 3 ID : 6306801587546
Option 4 ID : 6306801587548
Q. 45 The $35^{\text {th }}$ National Games were held in the state of $\qquad$ .
Ans
X 1. Gujarat
2. Kerala

X 3.Assam
X 4. Jharkhand

Option 1 ID : 630680759935
Option 2 ID : 630680759936
Option 3 ID : 630680759938
Option 4 ID : 630680759937
Q. 46 Which bacteria have a thick cell wall with several layers of peptidoglycan and teichoic acid?

Ans
1 1. Salmonella enterica
2. Staphylococcus aureus
3. Pseudomonas aeruginosa
4. Escherichia coli
Q. 47 Which of the following is the longest Highway Tunnel in India (as of 2022)?

Ans

1. Atal Tunnel

X 2. Pir Panjal Tunnel
X 3. Karbude Tunnel
4. Jawahar Tunnel

Q. 48 Who among the following stated in 1902, India was not ruled for its benefit, but rather for the benefit of its conquerors?
Ans $\times$ 1. Bal Gangadhar Tilak
X 2. Lala Lajpat Rai
3. Annie Besant
4. Sarojini Naidu
Q. 49 The Battle of Kannauj was fought between Sher Shah Suri and the Mughals led by
$\qquad$
Ans

1. Humayun
2. Jehangir

X 3. Aurangzeb
X 4. Akbar
Q. 50 According to Dr. BR Ambedkar's views, which of the following is the key feature of the Directive Principles of the Constitution?
Ans $\times 1$. Basic law
X 2. Mandatory feature
3. Novel feature
4. Basic feature

## Section : Quantitative Aptitude

## Q. 1 The sum of any two sides of a triangle is:

Ans $\quad \times 1$. less than the third side
2. greater than the third side
3. equal to third side
4. less than or equal to third side

Q. 2 The percentage of marks obtained by six students in five different subjects in an examination and the maximum marks in each subject (in parenthesis) are given in the following table.

| Student | Hindi (150) | English <br> $(100)$ | Geography <br> $(175)$ | Mathemati <br> cs (120) | Physics <br> $(75)$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| P | 85 | 56 | 65 | 82 | 90 |
| Q | 76 | 84 | 52 | 84 | 76 |
| R | 89 | 98 | 67 | 60 | 56 |
| S | 82 | 64 | 56 | 70 | 80 |
| T | 58 | 68 | 78 | 68 | 71 |
| U | 64 | 75 | 94 | 64 | 60 |

What was the aggregate of marks obtained by $S$ in all the five subjects?
Ans
X 1.324
2. 429
$\times 3.356$
X 4.405
Q. 3 A solid metal cylinder of 12 cm height and 7 cm radius is melted and recast into two cones in the proportion of $1: 2$ (volume), keeping the height 12 cm . What would be the percentage change in the flat surface area before and after [use $\pi=\frac{22}{7}$ ]?

Ans
X1.45\%

X 2. 20\%

- 3

3. $50 \%$
4.35\%
Q. 4 Find the perimeter of a triangle with sides equal to $13 \mathrm{~cm}, 12 \mathrm{~cm}$ and 5 cm .

Ans
$\times 1.5 \mathrm{~cm}$
X 2.25 cm

- 3.30 cm

X4. 15 cm
Q. 5 Simplify the following expression.
$(4.2$ of $2.5 \div 3.5)-(3.6 \div 2.4+2.5$ of $3 \div 7.5)+(6-3$ of $2+4$ of $3 \div 6)$
Ans $\times 1.4 .5$
X2. 3.5
$\times 3.1 .5$
2. 2.5
Q. 6 The distance between the parallel sides of a trapezium is 18 cm . If the area of the trapezium is $1188 \mathrm{~cm}^{2}$, then what is the sum of the lengths of the parallel sides?
Ans
X 1.115 cm
X 2.126 cm

- 3.132 cm

4. 150 cm

Q. 7 If $\sin (x+y)=1$ and $\cos (x-y)=\frac{\sqrt{3}}{2}$, find the value of ' $y$ '.

Ans
$\times 1.90^{\circ}$
2. $30^{\circ}$
$\times 3.20^{\circ}$
$\times 4.60^{\circ}$
Q. 8 A travels for 8 hours at the rate of $4 \mathrm{~km} / \mathrm{h}$ and for 4 hours at the rate $8 \mathrm{~km} / \mathrm{h}$. The average speed of the journey (in $\mathrm{km} / \mathrm{h}$ ) is:
Ans
$\times 1.4 \frac{2}{3}$
2. $5 \frac{1}{3}$

X $3.4 \frac{1}{3}$
X4. $5 \frac{2}{3}$
Q. 9 The table below shows employees of a company in 5 different towns over the period of 5 years.

| Year | Town |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Hyderabad | Punjab | Pune | Kolkata | Delhi |
| 2016 | 520 | 325 | 152 | 425 | 545 |
| 2017 | 680 | 475 | 250 | 765 | 645 |
| 2018 | 874 | 850 | 179 | 857 | 820 |
| 2019 | 745 | 780 | 375 | 856 | 765 |
| 2020 | 954 | 822 | 425 | 880 | 923 |

Note: All figures are fictitious.
Employees from Pune in 2018 are what per cent of the total employees of all towns together in that year?
Ans
X $1.3 \%$
2. $6 \%$
3. $4 \%$
4. $5 \%$
Q. 10 If the polynomial $\left(2 x^{3}+a x^{2}+3 x-5\right)$ and $\left(x^{3}+x^{2}-2 x+a\right)$ leave the same remainder when divided by $(x-2)$, find the remainder.
Ans
$\times 1.4$
2. 2
<3.3
4. 5


| Question ID : 630680413588 |
| :---: |
| Option 1 ID : 6306801613178 |
| Option 2 ID : 6306801613177 |
| Option 3 ID: 6306801613176 |
| Option 4 ID : 6306801613179 |
| Status : Not Answered |
| Chosen Option : -- |

Q. 11 The simple interest on a certain sum for 4 years at $14 \%$ per annum is ₹ 6,160 less than the simple interest on the same sum at the same rate for 8 years. Find the sum.
Ans
X 1. ₹9,000
X 2. ₹ 12,000
3. ₹ 11,000

X4. ₹10,000
Q. 12 Let a be a positive number and $\mathrm{b}=\frac{4}{\mathrm{a}}$. What is the mean proportional of a and b ?
Ans
$X 1$.a
$\times 2.3$

- 3.2
$\times 4.4$
Q. 13 Simplify the given expression.
$\frac{13 \div\{6-6 \div(7-9) \times 8+9\}}{5+5 \times 5 \div 5 \text { of } 5}$

Ans

1. $\frac{1}{18}$
2. 13

X3.39
$\times 4 . \frac{1}{2}$

Question ID : 630680428048
Option 1 ID : 6306801670236
Option 2 ID : 6306801670237
Option 3 ID : 6306801670239
Option 4 ID : 6306801670238
Status : Answered
Chosen Option: 1
Q. 14 If $\frac{a}{b}+\frac{b}{a}=1, a \neq 0, b \neq 0$, then find the value of $\frac{a^{3}+b^{3}}{3 a b}$.

Ans
$\times 1.3$
$\times 2.2$
X3. -3

- 4.0
Q. 15

Find the value of $\left[9+3-2 \times\left\{\left(4 \div \frac{1}{4}\right)-4\right\}+81 \div 9+81 \div 9+3-9\right]+9$.
Ans $\times 1.3$

- 2.9
$\times 3.6$
$\times 4.0$
Q. 16 In an election between $P, R$ and $S, \frac{1}{10}$ of the total votes polled are invalid. Votes polled in favour of R and S are half of the total votes polled, and they get equal votes. Due to a fault in the machine, half of the votes of $S$ and half of the invalid votes are counted additionally in favour of R . What is the overall percentage of votes secured by R due to the fault?
Ans

1. $42.5 \%$

X 2. 38.5\%
X 3.41.55\%
X 4.37.55\%
Q. 17 If $x=11$, then the value of $\left(x^{5}-12 x^{4}+12 x^{3}-12 x^{2}+12 x-1\right)$ is:

Ans
$\times 1.14$
$\times 2.9$
$\times 3.8$
-4. 10
Q. 18 Three circles each of radius 5 cm touch one another. The area (in $\mathrm{cm}^{2}$ ) subtended between them is:

Ans
X1. $25\left(\sqrt{3}+\frac{\pi}{2}\right)$
X2. $25\left(2 \sqrt{3}-\frac{\pi}{2}\right)$
X3. $50\left(\sqrt{3}-\frac{\pi}{2}\right)$
4. $25\left(\sqrt{3}-\frac{\pi}{2}\right)$
Q. 19

The value of $\left(\frac{2 \cos ^{3} \theta-\cos \theta}{\sin \theta-2 \sin ^{3} \theta}\right)^{2}+1,{ }^{\theta \neq 45^{\circ} \text { is: }}$
Ans
$X 1 \cdot \sec ^{2} \theta$
X 2. $\cot ^{2} \theta$
3. $\operatorname{cosec}^{2} \theta$

X4. $\sin ^{2} \theta$

Question ID : 630680869592
Option 1 ID : 6306803405751
Option 2 ID : 6306803405752
Option 3 ID : 6306803405750
Option 4 ID : 6306803405753
Status : Answered
Chosen Option : 2
Q. 20 The cost of Compressed Natural Gas (CNG) per litre is increased by $65 \%$. By what percentage must Manish reduce his consumption of CNG so as not to increase his expenditure? (correct up to two decimal places)
Ans
X 1.25.39\%
X 2. 45.13\%

- 3. $39.39 \%$

4. 30.13\%
Q. 21 Study the following table chart carefully and answer the question that follows.

The table given below shows the number of registered voters and the percentage of the people who voted among them in different voting centres.

| Centres | Total number of <br> Registered Voters | Percentage of <br> people who voted |
| :--- | :---: | :---: |
| Centre 1 | 26000 | $70 \%$ |
| Centre 2 | 28000 | $60 \%$ |
| Centre 3 | 25000 | $80 \%$ |
| Centre 4 | 30000 | $76 \%$ |

According to the table given above, which centre has the maximum number of voting?
Ans $\quad \times$ 1. Centre 1
$X$ 2. Centre 3
$X$ 3. Centre 2
4. Centre 4
Q. 22 Arrange the following ratios in ascending order.

3:4,3:5, $2: 11,7: 2$
Ans $\quad X 1.3: 5<2: 11<3: 4<7: 2$
2. $2: 11<3: 5<3: 4<7: 2$

X $3.7: 2<3: 4<3: 5<2: 11$
X4. $3: 4<3: 5<2: 11<7: 2$

Question ID : 630680428374
Option 1 ID : 6306801671543
Option 2 ID : 6306801671541
Option 3 ID : 6306801671542
Option 4 ID : 6306801671540
Status : Answered
Chosen Option : $\mathbf{2}$
Q. $23 P$ can do a piece of work in 30 days and $Q$ in 40 days. They work together for 4 days and then $Q$ leaves. The number of days taken by $P$ to finish the remaining work is:
Ans
X 1.28 days
2. 23 days

X 3.30 days
X 4.7 days
Q. 24 Ashish covers 72 km at a speed of $45 \mathrm{~km} / \mathrm{h}$ by bike, 28 km at a speed of $4 \mathrm{~km} / \mathrm{h}$ by bicycle, and another 160 km at a speed of $20 \mathrm{~km} / \mathrm{h}$ by car. Find his average speed (in $\mathrm{km} / \mathrm{h}$ ) for the whole journey. (Rounded off to two decimal places)
Ans

1. 15.66
$\times 2.28 .33$
X 3.25 .25
X4. 27.65
Q. 25 If $56 \div 4+p \times 3-24 \div 12+4=21 \div 3+3$, then the value of $p$ is:

Ans $\times 1.2$
$\times 2.1$
X 3. -1

- 4. -2

Question ID : 630680428032
Option 1 ID : 6306801670173
Option 2 ID : 6306801670172
Option 3 ID : 6306801670174
Option 4 ID : 6306801670175
Q. 26 The volume of a right circular cone is $150 \pi \mathrm{~cm}^{3}$ and its height is 18 cm . Find its slant height (in cm) (correct to 2 decimal places).

Ans
X 1.28 .68
X2. 25.35
X 3.15 .25

- 4.18 .68

Q. 27 The curved surface area of a cone is $308 \mathrm{~cm}^{2}$, and its slant height is 28 cm . Find the radius of its base. (Use $\pi=\frac{22}{7}$ )

Ans

1. 3.5 cm
$\times 2.2 .8 \mathrm{~cm}$
$X 3.3 .0 \mathrm{~cm}$
4.2 .5 cm
Q. 28 A school has four sections A, B, C, D of class x students. The results of half yearly and annual examinations are shown in the table given below:

| Result | Number of students |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Section A | Section B | Section C | Section D |
| Students failed <br> in both exams | 25 | 22 | 18 | 20 |
| Students failed <br> in half yearly <br> but passed in <br> Annual exam | 20 | 25 | 24 | 12 |
| Students passed <br> in half yearly <br> but failed in <br> Annual exam | 12 | 15 | 8 | 10 |
| Students passed <br> in both exams | 15 | 20 | 22 | 18 |

Ans
$\times 2.256$
X 3.206
$\times 4.226$

Q. 29 A train covers a distance of 72 km in 40 minutes. Travelling at the same speed, how many metres will the train cover in 6 seconds?
Ans
X 1.210
2. 174
3. 192
4. 180
Q. 30 If the number of school going children in a town is 64000 and it is increasing annually by $10 \%$, then what will be the number of school going children in the town at the end of 3 years?

Ans
X 1.85000
2. 85100
3. 85184
4. 80000
Q. 31

Find the value of $\frac{3 \div 3 \times 2-6 \div 3+7}{5 \div 5 \times 6 \div 6+3+3}$.
Ans

1. 1
(2. $\frac{6}{7}$
2. $\frac{8}{7}$
3. 2

Question ID : 630680428031
Option 1 ID: 6306801670169
Option 2 ID : 6306801670170
Option 3 ID : 6306801670168
Option 4 ID : 6306801670171
Status : Answered
Chosen Option : 1
Q. 32 Simplify
$\frac{\sin ^{3} A+\cos ^{3} A}{\sin A+\cos A}$
Ans
X 1. $1-\cos A \cot A$
X2. $1-\sin A \tan A$
2. $1-\sin \mathrm{A} \cos \mathrm{A}$

X4. $1-\tan \mathrm{A} \sec \mathrm{A}$
Q. 33 The marked price of a table is ₹ 5,980 . If the shopkeeper offers a discount of $18 \%$, what is its selling price (in ₹, to the nearest rupee)?
Ans
X1.4,940
X $2.4,490$
X 3. 4,094
4. 4,904

Question ID : 630680428012
Option 1 ID : 6306801670095
Option 2 ID : 6306801670093
Option 3 ID : 6306801670094
Option 4 ID : 6306801670092
Status: Answered
Q. 34 A vessel contains 18 litres mixture of milk and water in the ratio $5: 1$. If 3 litres of milk is added to the vessel, then how much water (in litres) should be added to the vessel to have milk and water in the ratio $9: 2$ ?
Ans
$\times 1.2$
$\times 2.1 .5$
3. 1
4.0 .5
Q. 35 Two trains are moving in the same direction at $60 \mathrm{~km} / \mathrm{h}$ and $42 \mathrm{~km} / \mathrm{h}$. The faster train crosses a man in the slower train in 36 seconds. Find the length of the faster train.
Ans
X 1.185 m
X 2.195 m

- 3.180 m
< 4.175 m

Q. 36 Study the given table and answer the question that follows.

The table shows the yearly production (in thousands) of scooters in five different factories (P, Q, R, S and T) from 1985 to 1989.

Yeary production (in thoussands) of scooters in idiferentffactories.

| Factory | 1985 | 1986 | 1987 | 1988 | 1989 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| P | 20 | 15 | 24 | 13 | 17 |
| Q | 16 | 23 | 41 | 20 | 15 |
| R | 14 | 21 | 30 | 16 | 12 |
| S | 25 | 17 | 15 | 12 | 22 |
| T | 40 | 32 | 39 | 41 | 35 |
| Total | 115 | 108 | 149 | 102 | 101 |

In which year was the total production of scooters of all factories $20 \%$ of the total production of scooters from 1985 to 1989 ?

Ans
2. 1985

X2. 1986
X 3.1988
$\times 4.1989$

Q. 37 A vegetable vendor bought 100 kg of potatoes at the rate of ₹ 19 per kg and spent ₹ 100 as cartage. He sold 60 kg of potatoes with a $50 \%$ profit and half of the remaining stock with a $40 \%$ profit. He sold half of the still remaining potatoes with a $25 \%$ profit. What profit percentage should he aim for when selling the ultimate remaining potatoes to achieve an overall profit of $42 \%$ ?

Ans
$\times 1.0 .1$
2. 0.15
3. 0.12
4. 0.16
Q. 38 Simplify the following.
$\frac{2\left\{3+3\left(\frac{1}{4} \div \frac{15}{20}+2\right)-18 \times \frac{1}{3}\right\}}{2(4+20 \div 4)}$
Ans
X1. $\frac{7}{18}$
×2. $\frac{11}{18}$
จ3. $\frac{4}{9}$
×4. $\frac{5}{9}$
Q. 39 A trader sells pulses at a $32 \%$ profit and uses weights $20 \%$ less than the actual measure. Find his gain percentage.
Ans
X1.72\%
X2. $62 \%$
X 3. $58 \%$

- $4.65 \%$

Q. 40 Consider the data of a certain number of activities of type $P, Q$, and $R$ in the percentage of the total activities of the cities B, C, D, and K in the table below.

| City $\rightarrow$ | B | C | D | K |
| :---: | :---: | :---: | :---: | :---: |
| P $\downarrow$ | 45 | 30 | 25 | 35 |
| Q | 25 | 30 | 35 | 30 |
| $R$ | 30 | 40 | 40 | 35 |

If the total activities of B and C are 500 and 400 , respectively, then what is the difference in activity $R$ of B and C ?

Ans
$\times 1.15$
2. 10
$\times 3.30$
4. 20
Q. 41 A shopkeeper kept the marked price of an item at ₹ 500 . He sold it at a scheme discount of $10 \%$ and $20 \%$ and got a profit of $25 \%$. What was the cost price of the item?
Ans
X 1. ₹188
2. ₹482

- 3. ₹ 288

X4. ₹384

Q. 42 The value of $72 \div 8-210 \div 15-5+2 \times 5$ is:

Ans $\times 1.3$
2. 0
$\times 3.1$
4.2
Q. 43 If $A, B$ and $C$ are the interior angles of $\triangle A B C$, then what is the value of $\left\{\tan \frac{A}{2}+\operatorname{cosec} \frac{B+C}{2}\right\}\left\{\tan \frac{A}{2}-\operatorname{cosec} \frac{B+C}{2}\right\}$ ?

Ans 1.-1
$\times 2.2$
X 3. -2
$\times 4.1$
Q.44 The following table shows the number of new employees added to different categories of employees in a university and also the number of employees from these categories who left the university every year:

|  | Professor |  | Assistant Professor |  | Associate Professor |  | Peon |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | New | Left | New | Left | New | Left | New | Left |
| 2018 | 80 | - | 100 | - | 90 | - | 60 | - |
| 2019 | 100 | 60 | 150 | 40 | 110 | 30 | 80 | 10 |
| 2020 | 150 | 40 | 160 | 30 | 140 | 40 | 70 | 20 |
| 2021 | 180 | 60 | 200 | 50 | 190 | 50 | 80 | 30 |
| 2022 | 200 | 80 | 220 | 60 | 220 | 60 | 90 | 40 |

What is the difference between the total number of professors added to the university and the total number of associate professors added to the university during the years 2019 to 2022?

Ans
-1.30
$\times 2.40$
$\times 3.50$
$\times 4.120$
Q. 45 What is the ratio between $S$ and $T$ if $S$ is $75 \%$ of $T$ ?

Ans
$\times 1.2: 3$
$\times 2.4: 3$
X 3. $75: 1$
4. $3: 4$
Q. 46 Simplify.
$22.0625-[15+0.25 \times(4.78-1.5 \times 3.02)]$
Ans $\times 1.7 .1$
$\times 2.7 .3$
$\times 3.7 .2$

- 4.7 .0

Question ID : 630680429328
Option 1 ID : 6306801675358
Option 2 ID : 6306801675356
Option 3 ID : 6306801675357
Option 4 ID : 6306801675359
Status: Answered
Chosen Option : $\mathbf{4}$
Q. 47 A gear 15 cm in diameter is turning a gear 21 cm in diameter. When the smaller gear has 105 revolutions, how many has the larger one made?
Ans
$\times 1.100$
2. 75
$\times 3.85$
4.90

Question ID : $\mathbf{6 3 0 6 8 0 4 2 1 3 7 0}$
Option 1 ID : 6306801643946
Option 2 ID : 6306801643943
Option 3 ID : 6306801643944
Option 4 ID : 6306801643945
Q. 48 Simplify
$13.5-[5+0.5 \times(9-3 \times 2)]$
Ans
$\times 1.5$

- 2.7
$\times 3.6$
$\times 4.8$

Q. 49 The area of the canvas cloth needed to erect a right conical tent of height 20ft. and circular base of circumference 30 mf . is:
Ans

1. $375 \pi$ sq.ft.
2. $589 \pi$ sq.ft.
3. $470 \pi \mathrm{sq} . \mathrm{ft}$.
4. 455 m sq.ft.
Q. 50 Tarun is twice as good as Tripti in doing a work. Together, they can complete the work in 16 days. In how many days can Tripti alone complete the same work?
Ans
5. 48
$\times 2.24$
X 3.50
$\times 4.25$

Question ID : 630680428412
Option 1 ID : 6306801671693
Option 2 ID : 6306801671692
Option 3 ID : 6306801671695
Option 4 ID : 6306801671694
Status : Not Answered

## Section : English Comprehension

Q. 1 Select the option that can be used as a one-word substitute for the given group of words.

Referring to something from the past of high quality
Ans
X 1. Epoch
2. Vintage

X 3. Outdated
4. Culture


Question ID : 630680176616
Option 1 ID : 630680684684
Option 2 ID : 630680684686
Option 3 ID : 630680684685
Option 4 ID : 630680684687
Status: Answered
Chosen Option : 2
Q. 2 Select the most appropriate ANTONYM of the given word.

Accolade
Ans

1. Criticism
2. Tribute
3. Promotion
4. Assurance
Q. 3 Select the most appropriate synonym of the given word. Eagerly
Ans $\times 1$. Stringently
X 2. Dubiously
5. Keenly

X 4. Playfully

Question ID : 630680204302
Option 1 ID : 630680792291
Option 2 ID : $\mathbf{6 3 0 6 8 0 7 9 2 2 9 4}$
Option 3 ID : 630680792293
Option 4 ID : 630680792292
Q. 4 Select the option that can be used as a one-word substitute for the given group of words.
The approach or style of teaching
Ans

1. Pedagogy


Q. 5 Select the most appropriate option to fill in the blank.

She $\qquad$ her painting by this time next week.
Ans

1. will have finished

X 2. will finish
3. finishes
4. finished

Question ID : 630680172387
Option 1 ID : 630680667975
Option 2 ID : $\mathbf{6 3 0 6 8 0 6 6 7 9 7 3}$
Option 3 ID : 630680667974
Option 4 ID : 630680667972
Status: Answered
Chosen Option: 1
Q. 6 Select the most appropriate synonym of the given word.

Entail
Ans $\quad$ 1. Assume
2. Necessitate
3. Eliminate
4. Flaw

Question ID : 630680295958
Option 1 ID : 6306801151545
Option 2 ID : 6306801151544
Option 3 ID : 6306801151546
Option 4 ID: 6306801151547
Status: Answered
Chosen Option: 1
Q. 7 Select the option that best explains the underlined idiom in the given sentence.

A team's captain always keeps a level head, even in the most challenging situations.
Ans $\times 1$. Prefers to keep his head covered with a cap
Х 2. Maintains an equal number of players on the field
3. Remains calm and composed
4. Keeps his head protected with a helmet

| Question ID : 630680517368 |
| :---: | :---: |
| Option 1 ID : 6306802021871 |
| Option 2 ID : 6306802021870 |
| Option 3 ID : 6306802021869 |
| Option 4 ID : 6306802021868 |
| Status : Answered |
| Chosen Option : 3 |

Q. 8 Select the most appropriate synonym of the underlined word.

The hypothesis that the police believed in led to a lot of chaos.
Ans

1. speculation
2. breakthrough
3. trepidation
4. encounter
Q. 9 Select the INCORRECTLY spelt word...

Ans
X 1. Irritate
X 2. Necessitate
3. Reciept

X 4. Hindrance

Question ID : 630680517499
Option 1 ID : 6306802022393
Option 2 ID : 6306802022394
Option 3 ID : 6306802022395
Option 4 ID : 6306802022392
Status: Answered
Chosen Option : $\mathbf{3}$
Q. 10 Select the most appropriate synonym of the given word.

Grisly
Ans $\quad$ 1. Pleasant
2. Atrocious
$\times 3$. Glorious
X 4. Dire

Q. 11 Select the most appropriate option to substitute the underlined segment in the given sentence.
Amit is also a chip off the old block like his brother, Tandon.
Ans
X 1. getting ready for the future endeavours
$\times 2$. planning things ahead neatly
X 3. talking to others tough like a stone
4. resembling his parents in character and appearance
Q. 12 Select the option that can be used as a one-word substitute for the given group of words.
The original inhabitants of a country
Ans
X 1. Primitive
2. Citizens
3. Aborigines
4. Aliens
Q. 13 The following sentence has been split into four segments. Identify the segment that contains an error.

Ramesh licked (A) / honey and (B) / said that (C) / it tasted sweetly. (D)
Ans

Q. 14 Select the most appropriate idiom that can substitute the underlined segment in the given sentence.
Even after becoming bankrupt, Charlie is able to maintain an outward show.
Ans
X 1. bring down the house
2. keep up appearances

X 3. bell the cat
X 4. cut a sorry figure

Question ID : 630680517492
Option 1 ID: 6306802022365
Option 2 ID : 6306802022364
Option 3 ID : 6306802022367
Option 4 ID : 6306802022366
Status: Answered
Chosen Option : 2
Q. 15 Select the INCORRECTLY spelt word.

Ans $\quad$ 1. Dictionary
X 2. Reference
3. Infurmary

X 4. Ordinary

Question ID : 630680517429
Option 1 ID : 6306802022112
Option 2 ID : 6306802022113
Option 3 ID : 6306802022115
Option 4 ID : 6306802022114
Q. 16 Select the most appropriate ANTONYM of the underlined word.

Maria thinks the animals that live in freedom have a sad look in their eyes.
Ans
X 1. Carefree
X 2. Liberty
$X$ 3. Surrendered
4. Captivity

Q. 17 Select the most appropriate synonym of the given word. Concordant

Ans $\times 1$. Certain
X 2. Unanimous
X 3. Abnormal
4. Harmonious
Q. 18 Select the option that can be used as a one-word substitute for the given group of words.

A news article that reports the recent death of a person.
Ans
X 1. Culinary
2. Obituary

X 3. Centenary
X 4. Mortuary
Q. 19 Select the most appropriate meaning of the given idiom. Get itchy feet
Ans

1. Judge something primarily on appearance
2. Learn something by memorising it without a thought to what is being learnt
3. To start to want to travel or do something different
4. Join a popular trend or activity
Q. 20 The following sentence has been divided into four segments. Identify the segment that contains an adverbial usage error. Mr. Sukesh and / his family / ate the / food greedy.
Ans
$X$ 1. ate the
X 2. Mr. Sukesh and
X 3. his family
5. food greedy.
Q. 21 Choose the most appropriate meaning of the underlined phrase. He's still keeping his chin up despite all his health problems.
Ans
X 1. To keep one's chin clean and moist
X 2. To stay safe during difficulty
6. To stay cheerful during difficult times

X 4. To save others during difficult times

Question ID : 630680517577
Option 1 ID : 6306802022705
Option 2 ID : 6306802022706
Option 3 ID : 6306802022704
Option 4 ID : 6306802022707
Status : Answered
Chosen Option: 3
Q. 22 Select the option that can be used as a one-word substitute for the given group of words.
Words inscribed on a tomb.
Ans

Q. 23 Select the sentence that has the correct use of words and spellings from the options given below.
Ans $\quad$ 1. The scientiest meticulously analysed the complex data, uncovering ground-breaking insights that would revolutionice the field.
Х 2. The scientist meticulusly analysed the complex data, uncovering ground-breaking insights that would revaulutionise the field.
X 3. The scientist meticulously anelysed the complex data, uncovering ground-breaking insights that would revolutionise the feild.
4. The scientist meticulously analysed the complex data, uncovering ground-breaking
insights that would revolutionise the field.
Q. 24 The following sentence has been divided into four segments. One of them contains an error. Select the segment that contains the error from the given options.
The people of / Jammu and Kashmir / has emphasised and / appreciated transparency.
Ans
X 1. appreciated transparency
X 2. The people of
3. has emphasised and

X 4. Jammu and Kashmir
Q. 25 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'. The woman to who I sold my house was a criminal.

Ans
X 1. No substitution
2. to whom I sold
3. to whom I sell
4. to whom sold
Q. 26 Select the option that can be used as a one-word substitute for the given group of words.

Fertile watery place in a desert
Ans
X 1. Obsolete
X 2. Obscure
X 3. Ode
4. Oasis
Q. 27 Select the most appropriate meaning of the given idiom.

On thin ice
Ans

1. In a risky position
2. Communicating with friends
3. On a summer vacation
4. On an investigating job
Q. 28 Identify the INCORRECTLY spelt word in the given sentence and select the option that rectifies the misspelling.

There are difficult times too, especially when the economy takes a dip and we have to lai people off.
Ans
$\times 1$. Economie
2. Dificult
3. Lay
4. Dipe
Q. 29 Identify the most appropriate ANTONYM of the underlined word in the given sentence.

The door was ajar and a faint wisp of smoke floated through it.
Ans
X 1. Itchy
2. Lot

X 3. Trickle
4. Wind
Q. 30 Select the most appropriate meaning of the given idiom.

Keep your pants on
Ans $\quad$ 1. To wear the dress neatly
2. To keep calm and quiet
$X$ 3. To make things proper
4. To work like a tailor

Question ID : 630680206942
Option 1 ID : 630680802367
Option 2 ID : $\mathbf{6 3 0 6 8 0 8 0 2 3 7 0}$
Option 3 ID : 630680802368
Option 4 ID : 630680802369
Status: Answered
Chosen Option: 3
Q. 31 Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

Reena decided not to go to work today because she was feeling sick.
Ans

1. under the weather
2. fit as a fiddle
3. sitting on the fence
4. going down in flames


Question ID : 630680517405
Option 1 ID: 6306802022019
Option 2 ID : 6306802022018
Option 3 ID : 6306802022017
Option 4 ID : 6306802022016
Status: Answered
Q. 32 Select the most appropriate meaning of the given idiom. Bread and butter
Ans $\times 1$. Breakfast
$X$ 2. Sharing
3. Livelihood

X 4. Party
Q. 33 Underlined word in the sentence is not spelt correctly. Identify the correct spelling from the options given below.
He was a benaevolent young man who would help his colleagues.
Ans
X 1. Benavolent
2. Benevolent
3. Benevalant
4. Banevolent
Q. 34 Parts of the following sentence have been given as options. Select the option that contains an error.
Himalayas include the highest mountains in the world and feed almost 20\% of the earth's population.
Ans
X 1. almost $20 \%$ of the earth's population.
$\times 2$. highest mountains in
X 3. the world and feed
4. Himalayas include th


Question ID : 630680192253
Option 1 ID : 630680745616
Option 2 ID : $\mathbf{6 3 0 6 8 0 7 4 5 6 1 4}$
Option 3 ID : $\mathbf{6 3 0 6 8 0 7 4 5 6 1 5}$
Option 4 ID : 630680745613
Q. 35 Select the option that can be used as a one-word substitute for the given group of words.

Someone who speaks more than one language
Ans
X 1. Heretic
X 2. Fatalist
3. Polyglot
4. Insolvent
Q. 36 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'. Half of the property given to his sons by the businessman last year.
Ans
X 1. No substitution
X 2. Half of the property is given
3. Half of the property was given
4. Half of the property has been given
Q. 37 Select the most appropriate synonym of the given word.

Fabulous
Ans


Question ID : 630680204472
Option 1 ID : 630680792950
Option 2 ID : 630680792948
Option 3 ID : 630680792949
Option 4 ID : 630680792947
Status: Answered
Q. 38 Select the INCORRECTLY spelt word in the given sentence.

Large-scale hunting scenes and slaugter of wild animals is a heinous crime.
Ans

1. Slaugter
2. Heinous
3. Scenes
4. Hunting
Q. 39 Select the most appropriate option that can substitute the underlined words in the given sentence.
We should not underestimate the signification of female education.
Ans
5. underestimate the significance
6. underestimate at signification
7. underestimate on signification
8. underestimate signification
Q. 40 Select the most appropriate option that can substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.
A sharp fall in the price of jute have led the poor jute farmers to the brink of starvation.
Ans
$X 1$. have lead the poor jute farmers
9. have led the poor farmers
10. has led the poor jute farmers

X 4. No substitution


## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
It is important to (1) $\qquad$ a healthy lifestyle to maintain good physical and mental well-
being. Regular (2) $\qquad$ helps improve cardiovascular health and boosts the immune system. Eating a balanced diet rich in (3) $\qquad$ vitamins and minerals is crucial for overall
health. Additionally, (4) $\qquad$ stress through activities like yoga or meditation can enhance mental clarity. Getting an adequate amount of (5) $\qquad$ each night is essential for
restorative activity and optimum bodily functions.
SubQuestion No : 41
Q. 41 Select the most appropriate option to fill in blank number 1.

Ans 1.adopt
X 2. adeptly
3. adapt
4. adept

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
It is important to (1) $\qquad$ a healthy lifestyle to maintain good physical and mental wellbeing. Regular (2) $\qquad$ helps improve cardiovascular health and boosts the immune system. Eating a balanced diet rich in (3) $\qquad$ vitamins and minerals is crucial for overall health. Additionally, (4) $\qquad$ stress through activities like yoga or meditation can enhance mental clarity. Getting an adequate amount of (5) $\qquad$ each night is essential for restorative activity and optimum bodily functions.

SubQuestion No : 42
Q. 42 Select the most appropriate option to fill in blank number 2.

Ans $\times 1$. exalt


## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
It is important to (1) $\qquad$ a healthy lifestyle to maintain good physical and mental well-
being. Regular (2) $\qquad$ helps improve cardiovascular health and boosts the immune system. Eating a balanced diet rich in (3) $\qquad$ vitamins and minerals is crucial for overall
health. Additionally, (4) $\qquad$ stress through activities like yoga or meditation can enhance mental clarity. Getting an adequate amount of (5) $\qquad$ each night is essential for
restorative activity and optimum bodily functions.
SubQuestion No : 43
Q. 43 Select the most appropriate option to fill in blank number 3.

Ans $\quad$ 1. necessarily
X 2. necessity
X 3. necessitate
4. essential

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
It is important to (1) $\qquad$ a healthy lifestyle to maintain good physical and mental wellbeing. Regular (2) $\qquad$ helps improve cardiovascular health and boosts the immune system. Eating a balanced diet rich in (3) $\qquad$ vitamins and minerals is crucial for overall health. Additionally, (4) $\qquad$ stress through activities like yoga or meditation can enhance mental clarity. Getting an adequate amount of (5) $\qquad$ each night is essential for restorative activity and optimum bodily functions.

SubQuestion No : 44
Q. 44 Select the most appropriate option to fill in blank number 4.

Ans 1.managing


## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
It is important to (1) $\qquad$ a healthy lifestyle to maintain good physical and mental well-
being. Regular (2) $\qquad$ helps improve cardiovascular health and boosts the immune system. Eating a balanced diet rich in (3) $\qquad$ vitamins and minerals is crucial for overall
health. Additionally, (4) $\qquad$ stress through activities like yoga or meditation can enhance mental clarity. Getting an adequate amount of (5) $\qquad$ each night is essential for
restorative activity and optimum bodily functions.
SubQuestion No : 45
Q. 45 Select the most appropriate option to fill in blank number 5.

Ans $\times 1$. resting
$X$ 2. relax
X 3. slumber
4. sleep

## Comprehension:

Read the following passage and answer the questions that follow:
Facial recognition is based on AI technology that recognizes human faces. In fact, the technology considers a number of factors for face recognition: jawline length, the form of the cheekbones, eye sockets depth, and so on. A majority of these factors assist the technology "recall" who's the proprietor of the face. Other than unlocking your phone, facial identification brings different advantages to the agencies:
The primary component to start with is surveillance. With the assistance of face recognition technology, it will likely be less complicated to catch any burglars, thieves, or different trespassers. On the governmental level, facial recognition can help us to find out terrorists or other criminals. Face recognition is the most effective means in today's world.
The procedure of recognizing a face takes a second or much less. Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.

SubQuestion No : 46
Q. 46 Based on your reading of the passage, select the most appropriate antonym of

Ans

4. Moderate

## Comprehension:

Read the following passage and answer the questions that follow:
Facial recognition is based on AI technology that recognizes human faces. In fact, the technology considers a number of factors for face recognition: jawline length, the form of the cheekbones, eye sockets depth, and so on. A majority of these factors assist the technology "recall" who's the proprietor of the face. Other than unlocking your phone, facial identification brings different advantages to the agencies:
The primary component to start with is surveillance. With the assistance of face recognition technology, it will likely be less complicated to catch any burglars, thieves, or different trespassers. On the governmental level, facial recognition can help us to find out terrorists or other criminals. Face recognition is the most effective means in today's world.
The procedure of recognizing a face takes a second or much less. Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.

SubQuestion No : 47
Q. 47 Read the following line from the passage and select the most appropriate option that describes it :
Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.
Ans
$\chi$ 1. Face recognition is uneasy and verifies a person successfully.
X 2. Face recognition is easy and verifies a person unsuccessfully.
X 3. Face recognition is not on spot and verifies a person partly.
4. Face recognition is fast and verifies a person successfully

## Comprehension:

Read the following passage and answer the questions that follow:
Facial recognition is based on AI technology that recognizes human faces. In fact, the technology considers a number of factors for face recognition: jawline length, the form of the cheekbones, eye sockets depth, and so on. A majority of these factors assist the technology "recall" who's the proprietor of the face. Other than unlocking your phone, facial identification brings different advantages to the agencies:
The primary component to start with is surveillance. With the assistance of face recognition technology, it will likely be less complicated to catch any burglars, thieves, or different trespassers. On the governmental level, facial recognition can help us to find out terrorists or other criminals. Face recognition is the most effective means in today's world.
The procedure of recognizing a face takes a second or much less. Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.

## SubQuestion No : 48

Q. 48 As per the passage which facial factors are not recognized with face recognition?

Ans
X 1. Jawline length
2. Face shape

X 3. Cheekbones structure
X 4. Eye sockets

## Comprehension:

Read the following passage and answer the questions that follow:
Facial recognition is based on AI technology that recognizes human faces. In fact, the technology considers a number of factors for face recognition: jawline length, the form of the cheekbones, eye sockets depth, and so on. A majority of these factors assist the technology "recall" who's the proprietor of the face. Other than unlocking your phone, facial identification brings different advantages to the agencies:
The primary component to start with is surveillance. With the assistance of face recognition technology, it will likely be less complicated to catch any burglars, thieves, or different trespassers. On the governmental level, facial recognition can help us to find out terrorists or other criminals. Face recognition is the most effective means in today's world.
The procedure of recognizing a face takes a second or much less. Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.

SubQuestion No : 49
Q. 49 Select the most appropriate title for the given passage:

Ans $\times 1$. Hacking and Safety
X 2. Al interface
3. Face Recognition

X 4. Human Face

## Comprehension:

Read the following passage and answer the questions that follow:
Facial recognition is based on AI technology that recognizes human faces. In fact, the technology considers a number of factors for face recognition: jawline length, the form of the cheekbones, eye sockets depth, and so on. A majority of these factors assist the technology "recall" who's the proprietor of the face. Other than unlocking your phone, facial identification brings different advantages to the agencies:
The primary component to start with is surveillance. With the assistance of face recognition technology, it will likely be less complicated to catch any burglars, thieves, or different trespassers. On the governmental level, facial recognition can help us to find out terrorists or other criminals. Face recognition is the most effective means in today's world.
The procedure of recognizing a face takes a second or much less. Considering that facial recognition is almost instant, it offers a quick and successful verification of a person.

SubQuestion No: 50
Q. 50 What is the primary component of face recognition?

Ans 1. Surveillance


X 2. Verification
3. Identification
4. Locking

