## Sub Inspector in Delhi Police and Central Armed Police Forces Examination 2022

| Roll Number | $\ldots$ |  |
| :--- | :--- | :--- |
| Candidate Name | DOTS ACADEMY |  |
| Venue Name |  | $=$ |
| Exam Date | $11 / 11 / 2022$ |  |
| Exam Time | $12: 30$ PM $-2: 30$ PM |  |
| Subject | SICPO Paper I 2022 |  |

Section : General Intelligence and Reasoning
Q. 1 In a code language, 'trek to the mountain' is written as 'tes mel fern lor', 'the mountain is high' is written as 'lor max fern ani', 'high to the sky' is written as 'tes ani sav fern'. What is the code for the word 'trek' in this language?
Ans
X 1.max

- 2. mel
$X$ 3.tes
X4.fern
Q. 2 Which letter-cluster will replace the question mark (?) to complete the given series?

PYWB, MVYD, ?, GPCH, DMEJ
Ans
X 1. JSBF
www.dotsias.com
X 2. JTBG
3. JSAF

X 4. JTBF
Q. 3 ' P \# Q ' means ' P is the husband of Q '.
' $\mathrm{P} \$ \mathrm{Q}$ ' means ' P is the son of Q '.
' $P$ @ $Q^{\prime}$ ' means ' $P$ is the brother of $Q$ '.
' $\mathrm{P} \% \mathrm{Q}$ ' means ' P is the father of Q '.
' $P$ \& $Q$ ' means ' $P$ is the mother of $Q$ '.
' $P \times Q$ ' means ' $P$ is the wife of $Q$ '.
Which of the following statements is correct regarding the given expression?
M $\times \mathbf{O}$ \$ N @ Q \% R \# S
Ans $1 . \mathrm{N}$ is the brother of R's father.
$X 2$. $M$ is the brother of $R$.
$X 3.0$ is the daughter of Q .
$X 4$. $M$ is the daughter-in-law of $R$.
Q. 4 Which of the following numbers will replace the question mark (?) in the given series?
$42,67,96,129,166, ?$
Ans

- 1.207

X2. 208
< 3.206
X4. 205
Q. 5 If A denotes ' + ', $B$ denotes ' $x$ ', $C$ denotes ' - ', and $D$ denotes ' $\div$ ', then what will come in place of '?' in the following equation?
124 D 4 C 86 D 2 A 61 A 17 B $3=$ ?
Ans
X 1.92
X 2.98

- 3.100
$\times 4.110$
Q. 6 In a code language, 'day of rest' is written as 'per din ces', 'rest after work' is written as 'per fin tds', 'all day work' is written as 'din fin mls'. What is the code for the word 'after' in this language?
Ans
X 1.ces

2. din
www.dotsias.com
3. tds

X 4. per
Q. 7 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 /subtracting /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.)
(27, 21, 16 )
$(24,33,19)$
Ans
$\times 1 .(42,18,21)$
X $2 .(25,21,13)$
$\times 3 .(32,14,7)$
4. $(36,15,17)$
Q. 8 If + means - , - means $\times, \times$ means $\div$, and $\div$ means + , what will be the value of the following expression?
$65 \div 35+72 \times 8-5$
Ans $\times 1.195$
$\times 2.455$
$\times 3.45$

- 4.55
Q. 9 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
AZX, CBZ, EDB, GFD, ?
Ans

1. IHF

X 2. JHF
www.dotsias.com
X 3. IFH
X4.FHI
Q. 10 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 dogs are cats.
No cat is a rat.
Conclusions:
I. Some rats are cats.
II. Some dogs are rats.

Ans

1. Neither conclusion I nor II follows

X 2. Both conclusions I and II follow.
X 3. Only conclusion I follows.
X 4. Only conclusion II follows.
Q. 11 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(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)
Master : Disciple
Ans

1. Coach : Player

X 2. Doctor: Medicine
X 3. Tea: Coffee
X 4. Cup: Plate
Q. 12 Select the figure that will replace the question mark (?) in the following figure series.


Ans

Q. 13 If $\div$ means - , - means $\times, \times$ means,++ means $\div$, what will come in place of the question mark (?)?
$132+6-9 \times 13 \div 31=$ ?
Ans

- 1.180
www.dotsias.com
$\times 2.216$
X 3.206
X4.208
Q. 14 A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

$\times 3$.

$\times 4$.

Q. 15 Karan drives 6 km towards north from point A. He takes a left turn and drives $\mathbf{3 k m}$. Again he takes a left turn and drives 3 km . He takes a left turn and drives 6 km . He takes a right turn and drives 3 km to reach point B. How far and towards which direction should he drive in order to reach point A again?
Ans

- 1.3 km towards west
www.dotsias.com
X 2. 4 km towards north
X 3.5 km towards east
X4.2 km towards south
Q. 16 Three different positions of the same dice are shown. Find the number on the face opposite the face showing ' 5 '.


Figure 1
Figure 2
Figure 3
Ans
$\times 1.3$
2.2
$\times 3.6$
$\times 4.1$
Q. 17 Seven people, A, B, C, D, E, F and G, are sitting in a straight row facing the north. Only two people sit to the left of $C$. Only two people sit between $A$ and $B$. $B$ sits to the left of $A$. $E$ is an immediate neighbour of $A$ to the right. Only one person sits to the right of $D$. $F$ is not an immediate neighbour of $B$. Who sits to the extreme left?
Ans
$\times 1$. F
X2.E
X 3.D

- 4.B
Q. 18 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 classes are theories.
Some theories are lessons.
Conclusions:
I. All classes can never be lessons.
II. All theories being classes is a possibility.

Ans
$X 1$. Only conclusion I follows
X 2. Both conclusions I and II follow
X 3. Neither conclusion I nor II follows
4. Only conclusion II follows
Q. 19 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6 . Select the number that will be on the face opposite to the one showing ' 5 '.


Ans

- 1.2
$\times 2.4$
$\times 3.3$
$\times 4.1$
Q. 20 Select the correct option to indicate the arrangement of the following words in a logical and meaningful order.

1. Tissue
2. Population
3. Organ
4. Cell
5. Organism

Ans
$\times 1.41325$
$\times 2.14325$
X 3.14253

- 4.41352
Q. 21 Select the figure that will come in place of the question mark (?) in the following figure series.


Ans

Q. 22 Select the option that indicates the correct arrangement of the given words in a logical and
meaningful order.

1. Universe
2. Country
3. Sun
4. Earth
5. MilkyWay

Ans

1. 1,5,3,4,2
www.dotsias.com
X 2. 1,4,2,5,3
X 3.5,4,3,2,1
$\times 4.1,2,3,4,5$
Q. 23 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
467 * 231 * 123 * 789 * 345 * 131
Ans $\times 1 .+,-,+,+,=$
X2. +, -, $x,+,=$
2.,,,,$+--+=$

X4. $\times,-,-,+,=$
Q. 24 Select the figure that will come next in the following figure series.


Ans

Q. 25 Select the set in which the numbers are related in the same way as are the numbers of the given 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 /subtracting /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)
$(2,3,35)$
$(11,6,1547)$
Ans
X 1. $(10,9,1730)$
X 2. $(7,8,2565)$ www.dotsias.com

- 3. $(4,15,3439)$

X4. $(3,12,1296)$
Q. 26 A \# B means ' $A$ is the brother of $B$ '
$A$ @ $B$ means ' $A$ is the sister of $B$ '
$A$ \& $B$ means ' $A$ is the husband of $B$ '
$A \% B$ means ' $A$ is the daughter of $B$ '
If $\mathbf{W}$ \# Q @ T \& Y @ M \% K \# L, then how is K related to T ?
Ans

1. Wife's father
$X 2$. Brother
X 3. Wife's brother
$\times 4$. Father
Q. 27 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose the figure that would most closely resemble the unfolded form of the paper.


Ans
$\times 1$

$\checkmark 2$.

$\times 3$

$\times 4$

Q. 28 Select the number from among the given options that can replace the question mark (?) in the following series.
159,146, ?, 120, 107, 94, 81
Ans
$\times 1.131$
$\times 2.136$

- 3.133
$\times 4.140$
Q. 29 In a code language, 'you are tall' is coded as 'la da ma', 'you workout daily' is coded as 'la pa ka', and 'daily workout makes you tall' is coded as 'ka pa ja la ma'. What is the code for the word 'makes'?

Ans
X 1.ma
$\times 2$. la
3.ja

X4. ра
Q. 30 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 phones are gadgets.
All gadgets are machines.
Conclusions:
I. All phones are machines.
II. All machines are gadgets.

Ans $\quad \times 1$. Neither conclusion I nor II follows
X 2. Only conclusion II follows
www.dotsias.com
3. Only conclusion I follows

X 4. Both conclusions I and II follow
Q. 31

In a code language, VACCINE is written as $\frac{132}{7}$ and MASKS is written as $\frac{72}{5}$.
How will SANITIZE be written in that language?
Ans
X 1. $\frac{89}{8}$
2. $\frac{113}{8}$
$\times 3 . \frac{89}{7}$
$\times 4 . \frac{113}{7}$
Q. 32 If + means - , - means $\times, \times$ means $\div$, and $\div$ means + , what will be the value of the following expression?
$2 \div 5+2-5 \times 5=$ ?
Ans $\times 1.10$
2.5
$\times 3.8$
$\times 4.6$
Q. 33 Which of the following numbers will replace the question mark (?) in the given series? 90, 211, 67, 236, ?
Ans
-1.40
$\times 2.38$
$\times 3.45$
$\times 4.143$
Q. 34 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

Q. 35 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
9:36:: 12 : ? :: 18 : 126
Ans
X1. 65
2. 60
$\times 3.70$
$\times 4.58$
Q. 36 On a certain day John decided to go school using his newly purchased skates. So, he left his house and skated 15 km northwards, then turned left and skated 7 km , then he took another left turn and skated 15 km, and then finally turned right and skated 13 km. How far exactly is his school from his house?

Ans
X 1.28 km

- 2.20 km
> 3.6 km
X4.2 km
Q. 37 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
121 * 11 * 99 * 11 * 77 * 79
Ans $\times 1 . \div-, \times,+,=$

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

Х $3 . \div--, \div, x,=$
X4. $x,-, \div+,=$
Q. 38 Based on the position in the English alphabetical order, three of the following letter-clusters are alike in some manner and one is different. Select the odd letter-cluster.

Ans
X 1. AEIK
X 2. GKOQ
3. QUXZ

X4.KOSU
Q. 39 Select the set in which the numbers are related in the same way as are the numbers of the given 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 /subtracting /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.)
$(19,64,11)$
$(27,169,14)$
Ans
X 1. $(20,200,8)$
X 2. $(23,110,12)$

- 3. $(22,121,11)$
www.dotsias.com
X 4. $(24,99,15)$
Q. 40 Select the Venn diagram that best illustrates the relationship between the following classes. Prime minister, Finance minister, Union Government
Ans

$\times 2$.

$\times 3$.


4. 


Q. 41 Three different positions of the same dice are shown. Find the number on the face opposite the face showing ' 6 '.


Figure 1
Ans
$\times 1.3$
$\times 2.2$

- 3.5
$\times 4.1$
www.dotsias.com
Figure 3
- 

Figure 2
Q. 42 If I denotes ' - ', J denotes ' $x$ ', $K$ denotes ' - ', and $L$ denotes ' + ', then what will come in place of '?' in the following equation?
29 J 7 K 168 I 4 L 71 K 39 L 14 J $2=$ ?
Ans
X 1.235
2. 221
$\times 3.216$
$\times 4.228$
Q. 43 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
FAN2 : ICO8: : NAP5 : QCQ125 : : GUN8 : ?
Ans

1. JW0512

X 2. JW0484
X 3. JV0512
X 4. JWO64
Q. 44 A paper is folded and cut as shown below. How will it appear when unfolded?


Ans


- 4. $\left.\begin{array}{llll}- & \Delta & \Delta & - \\ 0 & \square & \square & O \\ 0 & \square & \square & O \\ - & \nabla & \nabla & -\end{array}\right]$
www.dotsias.com
Q. 45 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.
Ans
X1. OLP

2. BXC

X 3.TGU
X4. XCY
Q. 46 Six students are sitting around a circular table facing the centre. Salman is an immediate neighbour of both Kiran and Shwetha. Bala is sitting second right to Salman. Shwetha is sitting third to the left of Bala. Akshay is an immediate neighbour of both Bala and Nishitha. Who is the immediate neighbour of Nishitha and Salman?
Ans
X 1. Bala
2. Shwetha

X 3. Akshay
X4.Kiran
Q. 47 A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

www.dotsias.com


$\times 4 .$| 0 | $\square$ | $\square$ | 0 |
| :---: | :---: | :---: | :---: |
| $\square$ | $\Delta$ | $\square$ | $\Delta$ |
| $\square$ | $\Delta$ | $\square$ | $\Delta$ |
| 0 | $\Delta$ | $\square$ | 0 |

Q. 48 In a certain code language, 'CHART' is written as 'GDASS' and 'EMPTY' is written as 'LFPXU'. How will 'INDEX' be written in that language?
Ans
X 1. MIDWF
X 2. MDJWF
X 3. MWDJF
4. MJDWF
Q. 49 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
_ FO_LLWF _OOL_WFF_O_L_
Ans
X1.FFOLLOL
X2.FFLLOOW
X3.FOWLLFW
4.FOFLOLW
Q. 50 Which of the following numbers will replace the question mark (?) in the given series?
$10,21,35,56,90,145,231,360$,
Ans 1.546
$\times 2.436$
$\times 3.564$
$\times 4.463$

Section : General Knowledge and General Awareness
Q. 1 Who among the following created the dance form named 'Hi-dance' that he later rechristened and called 'Creative dance'?

Ans
X 1. Birju Maharaj
X 2. Shashadhar Acharya
X 3. Kunwar Amar
4. Uday Shankar
Q. 2 The first President of the All India Trade Union Congress was $\qquad$ _.
Ans $\times 1$. C Rajagopalachari
X 2. Chandra Shekhar Azad

- 3. Lala Lajpat Rai

X 4. Motilal Nehru
Q. 3 December 2021

Ans

- 1. Srekala Bharath

X 2. Harinie Jeevitha
X 3. Priyadarshini Govind
X 4. Rekha Prakash
Q. 4 In which of the following states of India, the reserves of silver are NOT found?

Ans
X 1. Andhra Pradesh
Х 2. Jharkhand
www.dotsias.com
X 3. Odisha

- 4. Gujarat


## Q. 5 A FIBA sanctioned game of basketball typically consists of

$\qquad$ -.

Ans 1.4 quarters of 10 minutes each
X 2. 2 halves of 30 minutes each
$X 3.4$ quarters of 15 minutes each
X4. 2 halves of 25 minutes each
Q. 6 Which of the following Articles of the Constitution gives the right to a candidate, belonging to any caste, to apply for any of the public employment opportunities?
Ans
Х 1. Article 17 (2)
X 2. Article 15 (2)
X 3. Article 18 (2)
4. Article 16 (2)
Q. 7 By the $42^{\text {nd }}$ Amendment in 1976, as introduced by the $\qquad$ the Chapter on the fundamental duties of citizens was incorporated into the Constitution.
Ans

1. Swaran Singh Committee

X 2. Shah Nawaz Committee
X 3. Sachar Committee
X 4. Balwant Rai Mehta Committee
Q. 8 The Commonwealth Games are organised by

Ans
X 1. Indian Olympic Council
X 2. Asian Games Federation
X 3. International Olympic Council
\& 4. Commonwealth Games Federation
Q. 9 As per the guidelines issued by the Reserve Bank of India in June 2021, each NBFC-MFI is required to maintain not less than $\qquad$ of its net assets as 'qualifying assets'.
Ans

1. $85 \%$
×2. $50 \%$
X 3. $25 \%$
X4. $75 \%$
Q. 10 Coulomb/second is a unit of which of the following?

Ans $\quad \times 1$. Magnetism
2. Electric current

X 3. Capacitance
X 4. Resistance
Q. 11 In which year did Ambedkar start a temple entry movement?

Ans
$\times 1.1931$
$\times 2.1925$
$\times 3.1938$

- 4.1927
Q. 12 During The Battle of Chanderi or Siege of Chanderi, the Mughal Emperor $\qquad$ had defeated Rajputs in 1528.
Ans
$X 1$. Akbar
$X$ 2. Humayun
X 3. Jahangir
- 4. Babur
Q. 13 Which is NOT correct about the independence of the judiciary in our country?

Ans $\quad \times 1$. The Constitution prescribes a very difficult procedure for removal of judges
$X 2$. The legislature is not involved in the process of appointment of judges.
$X$ 3. The judiciary has the power to penalise those who are found guilty of contempt of www.dotsias.com court.
4. The judges are financially dependent on both the executive and legislature for their
salaries and allowances.
Q. 14 When was National Emergency declared for the first time under Article 352?

Ans $\quad \times 1.1961-67$
2. 1962-68

X 3. 1961-65
X 4. 1963-69
Q. 15 In which of the following languages did Amoghavarsha write Kavirajamarga?

Ans
$X 1$. Telugu
X 2. Sanskrit
$X$ 3. Tamil
4. Kannada
Q. 16 People of $\qquad$ have hardly any idea of extremes of temperature and the seasonal rhythm of weather.
Ans $\quad \times 1$. Lucknow
2. Mumbai
$X$ 3. Jaisalmer
X 4. Indore
Q. 17 Wheatstone bridge is an arrangement of $\qquad$ resistors used for accurate measurement of resistance.
Ans
$X 1$. three
2. four
$X$ 3. five
X4.six
Q. 18 Which of the following is NOT a part of the Peninsular Plateau?

Ans $\quad \times 1$. The Central Highland
$X$ 2. The North-eastern Plateau
3. The Northern Plain
www.dotsias.com
$X$ 4. The Deccan Plateau
Q. 19 What time period is considered as the first phase of the Green Revolution in India?

Ans 1. Mid-1960s to Mid-1970s
X 2. Mid-1940s to Mid-1950s
X 3. Mid-1970s to Mid-1980s
X 4. Mid-1950s to Mid-1960s
Q. 20 Which of the following Indian players scored maximum goals in hockey at the Tokyo Olympics - 2020?
Ans
X 1. Simranjeet Singh
2. Harmanpreet Singh
$X$ 3. Gurjant Singh
X 4. Rupinder Pal Singh
Q. 21 Which of the following commodities are exempted from GST?

Ans

- 1. Alcohol for human consumption
$X$ 2. Ventilators
$X$ 3. Hand sanitisers
$X 4$. Pens
Q. 22 In India, from June to September which type of weather prevails?

Ans
$X 1$. Winter
X 2. Autumn
X 3. Spring
4. Monsoon / Rainy season
Q. 23 Air transport was launched in India in the year 1911 between which two places?

Ans $\times 1$. Allahabad and Jaipur
2. Allahabad and Naini

X 3. Allahabad and Kanpur
X 4. Allahabad and Delhi
Q. 24 Which Article of the Constitution of India deals with the appointment of ad-hoc judges?

Ans
X 1. Article 126
X 2. Article 128
3. Article 127

X 4. Article 125
Q. 25 In 2012, for which of the following films did Pandit Birju Maharaj win the 'Best Choreography' category National Award?
Ans
X 1. Ambuli
Х 2 . Aravaan
3. Vishwaroopam

X4. Nanban
Q. 26 TH Vinayakram, a famous musician, is associated with which musical instrument?

Ans $\times 1$. Sarod
2 2. Ghatam
X 3. Mridangam
X 4. Tabla
Q. 27 Malic acid is most abundantly found in $\qquad$ _.
Ans

- 1. apple

X 2. tamarind
X 3. lemon
X 4. ginger
Q. 28 Which of the following statement is NOT correct regarding hydrocarbons?

Ans $\quad \times 1$. Most carbon compounds also release a large amount of heat and light on burning.
$\times 2$. Saturated hydrocarbons are fairly unreactive and are inert in the presence of most reagents.
$\checkmark$
3. Carbon compounds cannot get oxidised on combustion.
www.dotsias.com
X 4. Unsaturated hydrocarbons add hydrogen in the presence of catalysts such as palladium or nickel to give saturated hydrocarbons.
Q. 29 From which country's constitution has the Constitution of India borrowed the feature of Single Citizenship and Parliamentary system of Government?

Ans
$X 1$. The US
2. The UK
$X$ 3. Australia
X 4. Canada
Q. 30 Laxmipriya Mohapatra was associated with which of the following classical dances of India?
Ans
$X$ 1. Kathakali
$X$ 2. Sattriya
3. Odissi

X 4. Kuchipudi
Q. 31 Which of the following pair of human disease - microorganism - mode of transmission is correct?
I. Tuberculosis - Virus - Air
II. Chicken Pox - Virus - Water/Food

Ans
X 1. Only I
2. Neither I nor II

X 3. Only II
$\times$ 4. Both I and II
Q. 32 The national song of India, 'Vande Mataram', is an excerpt taken from the novel $\qquad$ written by Bankim Chandra Chattopadhyay.
Ans
Х 1. Bishabriksha
2. Anand Math

X 3. Saraswati Chandra
X 4. Durgeshnandini
Q. 33 The Indian judicial system is based on:

Ans $\quad$ 1. both integrated and dual system
2. single integrated system

X 3. multiple court system
X 4. dual court system

## Q. 34 Which of the following statement is NOT correct regarding the alkali metals?

Ans $\quad$ 1. The ionization enthalpies of the alkali metals are considerably low and decrease down the group from.

X 2. Group 1 metals are known as alkali metals.
X 3. All the alkali metals are silvery white, soft and light metals.
4. All the alkali metals have two valence electrons.
Q. 35 The war that spread beyond Southern India and into Bengal, where British forces under Robert Clive recaptured Calcutta from Nawab Sirajud-Daulah, who had the support of French, was $\qquad$ —.
Ans
Х 1. The Battle of Wandiwash in 1760
X 2. The Battle of Adyar in 1746
3. The Battle of Plassey in 1757

X4. The Battle of Buxar in 1764
Q. 36 Which is one of the most famous dance forms of Assam performed by the 'Kulis' (people who work in the tea gardens) during autumn?
Ans
$X$ 1. Lambadi dance
X 2. Mahasu dance
X 3. Karga dance
4. Jhumur dance
Q. 37 Which of the following places is decided to be the host of the FINA World Championships (25m) 2022?
Ans $\quad$ 1. Abu Dhabi, United Arab Emirates
X 2. Hangzhou, China
X 3. Budapest, Hungary
4. Melbourne, Australia
Q. 38 'Gangaur' is celebrated primarily in which of the following states of India?

Ans
$X 1$. Goa
X 2. Bihar
3. Rajasthan

X 4. Tripura
Q. 39 Which of the following statement regarding moon is correct?
I. The size of the illuminated part of the moon visible from the Earth increases each day after the new moon day.
II. After the full moon day, the sunlit part of the moon visible from the Earth decreases in size every day.
Ans
X 1 . Only I
2. Both I and II
www.dotsias.com
X 3. Neither I nor II
X 4 . Only II
Q. 40 Shivaji, the famous Maratha warrior fought against who among the following Mughal Emperors?
Ans
X 1. Humayun
X 2. Shahjahan
X 3. Akbar
4. Aurangzeb
Q. 41 Who among the following was the founder of the Bhoodan Yajna (Land Gift) movement?

Ans

1. Vinoba Bhave
$X$ 2. Tarabai Shinde
X 3. Atmaram Joshi
X 4. Mahatma Gandhi
Q. 42 Which of the following pairs of chemical elements and their symbols is INCORRECT?

Ans $\quad \times 1$. Iron -Fe
2. Potassium - Po

X 3. Phosphorus - P
X 4. lodine-I
Q. 43 According to the Industrial Policy Resolution 1956, in how many categories were the industries classified in India?
Ans
$\times 1.5$

- 2.3
$\times 3.4$
$\times 4.2$
Q. 44 Pandit Birju Maharaj received which of the following awards in 1986?

Ans $\times 1$. Padma Bhushan
X 2. Kalidas Samman
X 3. Padma Shri
4. Padma Vibhushan
Q. 45 Cycas is an example of which of the following animal phylum?

Ans $\quad \times 1$. Pteridophyta
X 2. Bryophyta
X 3. Angiosperms
4. Gymnosperms
Q. 46 At places the groundwater is stored between layers of hard rock below the water table. This is known as an $\qquad$
Ans
X 1. pond
$X$ 2. lake
X 3. well

- 4. aquifer
Q. 47 Which of the following pair of mineral - need is correct?
I. Iron - formation of hemoglobin
II. Sodium - proper functioning of thyroid

Ans

1. Only I
www.dotsias.com
X 2. Only II
X 3. Neither I nor II
X 4. Both I and II
Q. 48 Choose from the following the novel written by Vikram Seth.

Ans $\times 1$. One Night at the Call Centre

- 2. A Suitable Boy

X 3. Half Girlfriend
X 4. One Indian Girl
Q. 49 Amylase enzyme can be found in $\qquad$ .
Ans
$X$ 1. the liver
2 . the stomach
X 3. the gall bladder

- 4. saliva
Q. 50 What approximate percentage of geographical area of India is drained by river Godavari?

Ans
X1. 20\%
2. $10 \%$

X 3. $30 \%$
$\times 4.40 \%$

## Section : Quantitative Aptitude

Q. 124 men can complete a work in 15 days. How many men are needed to complete the same work in 10 days?
Ans
X 1.20
$\times 2.16$
$\times 3.25$

- 4.36
Q. 2 The area of the base of a cone is $616 \mathrm{~cm}^{2}$. If its slant height is 20 cm , then what is the total surface area of the cone? [Use $\pi=22 / 7$ ]
Ans
$\times 1.1524 \mathrm{~cm}^{2}$
$\times 2.1352 \mathrm{~cm}^{2}$
X $3.1296 \mathrm{~cm}^{2}$
จ. $4496 \mathrm{~cm}^{2}$
Q. 3 If $\sin ^{2} \theta=\cos ^{3} \theta$, then the value of $\left(\cot ^{2} \theta-\cot ^{6} \theta\right)$ is:

Ans 1.-1
$\times 2.0$
$\times 3.1$
$\times 4.2$
Q. 4 A hemispherical bowl of internal radius 6 cm contains a liquid. This liquid is to be filled into cylindrical shaped small bottles of diameter 2 cm and height 4 cm . How many bottles will be needed to empty the bowl?
Ans
X 1.37
$\times 2.38$
$\times 3.32$
www.dotsias.com

- 4.36
Q. 5 In the given figure, $\mathrm{DE} \| \mathrm{BC}$. If $\mathrm{AD}=5 \mathrm{~cm}, \mathrm{DB}=10 \mathrm{~cm}$, and $\mathrm{AE}=8 \mathrm{~cm}$, then AC is:


Ans

- 1.24 cm
$\times 2.16 \mathrm{~cm}$
$\times 3.32 \mathrm{~cm}$
X 4.8 cm
Q. 6 If $\sin A=\frac{1}{2}$, then the value of $(\tan A+\cos A)$ is:

Ans
$\times 1 . \frac{5}{3 \sqrt{3}}$
$\times 2 \cdot \frac{3}{2 \sqrt{3}}$
3. $\frac{5}{2 \sqrt{3}}$
$\times 4 . \frac{2}{3 \sqrt{3}}$
Q. 7 The speed of a boat in still water is thrice the speed of the stream. If the boat takes 15.5 sec to go to a certain place downstream, then find the additional time required to cover the same distance travelling upstream.
Ans
$X 1.35 \mathrm{sec}$
$\times 2.31 \mathrm{sec}$

- 3.15 .5 sec
$\times 4.29 \mathrm{sec}$
Q. 8 Arrange the given ratios in descending order

15:7,5:11 and $21: 77$.
Ans
X $1.21: 77>5: 11>15: 7$
2. $15: 7>5: 11>21: 77$

X $3.5: 11>15: 7>21: 77$
X $4.15: 7>21: 77>5: 11$
Q. 9 The following bar graph describes the population of a town (in lakhs) from 2001 to 2007.

Find the percentage increase in population from 2006 to 2007.
www.dotsias.com
Ans
X 1.15\%
X $2.16 \%$
× $3.18 \%$
4. $20 \%$
Q. 10 A retailer offers the following discount schemes for buyers on an item.
i) Two successive discount of $15 \%$
ii) A discount of $20 \%$ followed by a discount of $10 \%$
iii) A discount of $30 \%$

Under which scheme the selling price will be maximum?
Ans
$X 1 . i$ and ii
2.i

X 3. ii
$X 4$. ii and iii
Q. 11 The marked price of a chair was $₹ 1,000$ but it was sold for $₹ 1,200$. What is the percentage increase on the product?
Ans
. $1.20 \%$
X $2.15 \%$
X 3.10\%
$\times 4.35 \%$
Q. 12 What is the value of $12-8 \div 2-\{16$ of $(-2)+(3 \times 5-4)\}$ ?

Ans
$\times 1.1$
2. 29
$\times 3.45$
>4.0
Q. 13 AB is the common tangent to both circles as shown in the given figure. What is the distance between the centres of the circles?


Ans $\times 1.15 \mathrm{~cm}$
X 2.10 cm
3.30 cm

X4. 20 cm
Q. 14 Study the given figure and answer the question that follows.


Find the length of $A B$ in the given triangle, if it is given that the length of $B D$ is 4 unit.
Ans $\times 1.3 .5$
X2. 2.5

- 3.4
$\times 4.3$
Q. 15 Simplify.

$$
\frac{\cos ^{4} \theta-\sin ^{4} \theta}{\sin ^{2} \theta}
$$

Ans
X 1. $1-\tan ^{2} \theta$
2. $\cot ^{2} \theta-1$

X 3. $1-\cot ^{2} \theta$
X4. $\tan ^{2} \theta-1$
Q. 16 A hemispherical bowl of internal diameter 18 cm contains water. This water is to be filled in cylindrical bottles of diameter 6 cm and height 3 cm . The number of bottles required to empty the bowl is:
Ans
$\times 1.6$

- 2.18
$\times 3.9$
>4.3
Q. 17 If $a=9.6, b=4.44$ and $c=5.16$, then the value of $a^{3}-b^{3}-c^{3}-3 a b c$ is:

Ans

- 1.0
$\times 2.2$
$\times 3.1$
X4. ${ }^{-1}$
Q. 18 Find the greatest number that exactly divides 15, 30 and 40.

Ans
$\times 1.40$

- 2.5
$\times 3.3$
$\times 4.15$
Q. 19 The LCM of two numbers is 840 and their HCF is 7. If one of the numbers is 56 , find the other.
Ans
- 1.105

X2. 120
$\times 3.84$ WWW.dotsias.com
$\times 4.112$
Q. 20 Find the area of triangle whose sides are $10 \mathrm{~cm}, 12 \mathrm{~cm}$, and 18 cm .

Ans

1. $40 \sqrt{2} \mathrm{~cm}^{2}$
$\times$ 2. $30 \sqrt{2} \mathrm{~cm}^{2}$
$\times 3.28 \sqrt{2} \mathrm{~cm}^{2}$
X4. $22 \sqrt{2} \mathrm{~cm}^{2}$
Q. 21 The value of $\frac{\sin A}{\cot A+\operatorname{cosec} A}-\frac{\sin A}{\cot A-\operatorname{cosec} A}-1$ is:

Ans
$\times 1.2$
$\times 2.0$
× 3. $\frac{1}{2}$

- 4.3
Q. 22 A six-digit number is divisible by 198. If the digits are rearranged, even then the number will be divisible by:
Ans
$\times 1.6$
$\times 2.66$
$\times 3.2$
- 4.3
Q. 23 If $a+\frac{1}{a}=P^{2}$, then find $a^{2}+\frac{1}{a^{2}}$.

Ans $\quad \times 1 . P^{2}+2$
2. $\mathrm{P}^{4}-2$

X 3. $\mathrm{p}^{4}+2$
$\times 4 . \mathrm{P}^{2}-2$
Q. 24 What is the positive value of the following expression?
$\sqrt{36 \div 15 \text { of } 2 \text { of }[25 \times 4 \div 4 \text { of }\{29-(8-11) \div(9 \times 5 \div 5 \text { of } 3)\}]}$
Ans
$\times 1.2 \frac{4}{5}$
X2. $1 \frac{5}{6}$
$\times 3.2 \frac{3}{5}$
4. $1 \frac{1}{5}$
Q. 258 men and 12 women finish a job in 4 days. While 6 men and 14 women in 5 days. In how many days will 20 women finish the job?
Ans
X 1.10
$\times 2.15$
X 3.30
4. 20
Q. 26 Which of the following is the lowest ratio?

Ans
X1.5:19
2.3:22

X 3.17:5
$\times 4.23: 29$
Q. 27

If $\sqrt{1+\frac{x}{529}}=\frac{24}{23}$, then the value of $x$ is:
$\times 1.30$
$\times 2.27$
$\times 3.15$

- 4.47
www.dotsias.com
Ans
Q. 28 The following pie charts show the number of start-ups started in various sectors since 2016 and the number of successful start-ups in those sectors respectively.


Find the ratio of the number of successful start-ups in entertainment sector to the total number of start-ups in entertainment since 2016.

Ans

- $1.5: 16$

X 2.7:16
X $3.5: 17$
X4.25:81
Q. 29 The given chart shows the marks scored by a class X student in different subjects.


If the total marks are 1800, then find the difference between the marks scored in science and mathematics.

Ans

- 1.10
$\times 2.1$
$\times 3.5$
$\times 4.2$
Q. 30 The circle graph given here shows the spending of a country on various sports during a year. Study the graph carefully to answer the question.

Percentage of money spent on various sports for one year.


If the total amount spent during the year was $₹ 1,20,00,000$, then how much was spent on Basket Ball?
Ans
X 1. ₹ $40,00,000$
$\checkmark$ 2. ₹ $30,00,000$
$\times$ з. ₹ $25,00,000$
$\times 4$. ₹ $10,00,000$
Q. 31 A shopkeeper increases the selling price of an article by $15 \%$. After increasing the selling price, he noticed that the profit percentage changed from $5 \%$ to $15 \%$. The percentage increase in the cost price is:

Ans

1. $5 \%$
$\times 2.10 \%$
X 3. $20 \%$
X4. 15\%
Q. 32 What is the selling price of a dress that has a marked price of Rs. 500 and is given a $20 \%$ discount and subsequently a $10 \%$ discount?
Ans
X 1. Rs. 345
X 2. Rs. 365
2. Rs. 360

X 4.Rs. 330
Q. 33

The following table shows the production of different types of two wheelers from 1993 to 1998.
(No. of two wheelers is in 1000s)

| Year <br> Type | $\mathbf{1 9 9 3}$ | $\mathbf{1 9 9 4}$ | $\mathbf{1 9 9 5}$ | $\mathbf{1 9 9 6}$ | $\mathbf{1 9 9 7}$ | $\mathbf{1 9 9 8}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{A}$ | 36 | 34 | 40 | 35 | 37.5 | 40 |
| $\mathbf{B}$ | 20 | 22 | 25 | 23 | 19.5 | 18 |
| C | 14 | 22 | 16 | 25 | 29 | 35 |
| D | 60 | 62 | 67.5 | 75 | 76 | 80 |
| E | 40 | 45 | 48 | 50 | 80 | 105 |
| F | 45 | 52 | 55 | 60 | 57.5 | 56 |
| Total | 215 | 237 | 251.5 | 268 | 299.5 | 334 |

What is the approximate percentage increase in the total production of all types of two wheelers in 1998 in comparison to 1994 ?

Ans
X 1.45
2. 41
$\times 3.42$
$\times 4.40$
Q. 34 The following pie chart shows the distribution of income from different taxes. Study the chart and answer the question.


If the income from the market tax in a year is ₹260 crore, then the total income from other sources is : (in ₹ crore)
Ans
1.740

X2. 560
$\times 3.760$
X4.540
Q. 35 The average age of 10 students and their class teacher is 17 years. If the age of the class teacher is excluded, the average age of the 10 students is reduced by 2 years. What is the age of the class teacher?

Ans

- 1.37 years

X 2.36 years
X 3.35 years
X4.38 years
Q. 36 A gives $B$ a head-start of 10 seconds in a 1500 m race and both finish the race at the same time. What is the time taken by $A$ (in minutes) to finish the race if speed of $B$ is $6 \mathbf{m} / \mathrm{s}$ ?

Ans
X 1.8
X2.5
$\times 3.3$

- 4.4
Q. 37 What is the LCM of $a^{3} b-a b^{3}, a^{3} b^{2}-a^{2} b^{3}, a b(a-b)$ ?

Ans
X 1. $a^{3} b^{2}\left(a^{2}-b^{2}\right)$
X2. $a^{2} b^{2}\left(a^{2}+b^{2}\right)$
X3. $a^{2} b^{3}\left(a^{2}+b^{2}\right)$

- 4. $a^{2} b^{2}\left(a^{2}-b^{2}\right)$
Q.38 Find the value of a in the following equation. (Given $\mathrm{a}<10$.)

$$
\frac{(187 \div 17 \times a-3 \times 3)}{\left(8^{2}-9 \times 7+a^{2}\right)}=1
$$

Ans
$\times 1.2$

- 2.1
$\times 3.3$
>4.4
Q. 39 The price of a car is first increased by $35 \%$ and after that the price is decreased by $25 \%$ due to reduction in sales. What is the net percentage change in final price of the car?

Ans
$x^{1}$. Increases by $2 \frac{1}{3} \%$
$\times 2$. Decreases by $2 \frac{1}{5} \%$
$X$ 3. Decreases by $1 \frac{3}{5} \%$

- 4 Increases by $1 \frac{1}{4} \%$
Q. 40 The value of $6 \frac{8}{15} \div \frac{7}{9}$ of $\left(1 \frac{1}{10}+5 \frac{1}{5}\right)+\frac{2}{5} \div 7 \frac{1}{5}$ is:

Ans
จ1. $\frac{25}{18}$
X2. $\frac{25}{16}$
www.dotsias.com

X3. $\frac{5}{14}$
X4. $\frac{5}{18}$
Q. 41 On a certain sum of money lent out at $16 \%$ per annum, the difference between the compound interest for 1 year, payable half-yearly, and the simple interest for 1 year is Rs.
60. The sum is:

Ans
X 1. Rs. 9,365
X 2. Rs. 9,000
X 3. Rs. 937.5
4. Rs. 9,375
Q. 42 The weight of a person was entered incorrectly as 83 kg instead of 63 kg . As a result, the average weight of a group of people increased by 500 gm . What is the total number of people in the group?
Ans
$\times 1.50$
2. 40
$\times 3.48$
$\times 4.44$
Q. 43

The following bar chart shows the vends of foreign direct investment (FDI) into India from all over the world.


For which year is the per cent increase in FDI over the previous year the highest?

Ans

- 1.1996
$\times 2.1994$
$\times 3.1993$
X4.1997
Q. 44 The total number of teachers in different subjects and the respective percentage of females among them in a school are given in the following table. Study the table and answer the following question.

| Subject | Total number of teachers | Percentage of <br> females |
| :--- | :--- | :--- |
| Hindi | 50 | 80 |
| English | 40 | 90 |
| Mathematics | 60 | 35 |
| Science | 55 | 40 |
| Commerce | 30 | 50 |
| Social Science | 40 | 75 |

In which subject are the maximum number of teachers males?
Ans
$X 1$. English
$X$ 2. Hindi
X 3. Commerce
4. Mathematics
Q. 45 Study the given bar-graph and answer the question that follows.

The bar-graph shows the export of rice (in ₹ lakh) during five years.


In how many years was the export of rice less than the average export for the five-year period?
Ans
$\times 1.1$
www.dotsias.com
$\times 2.2$

- 3.3
$\times 4.4$
Q. 46 By selling 24 items, a shopkeeper gains the selling price of 4 items. His gain percentage is:

Ans
$\times 1.33 \frac{1}{3} \%$
$\times 2.16 \frac{1}{3} \%$
3. $20 \%$

X4. $16 \frac{2}{3} \%$
Q. 47 One side of the triangle is 15 cm and the corresponding height is 6 cm , then area of the triangle is:

Ans
. $1.45 \mathrm{sq} . \mathrm{cm}$
$\times 2.48 \mathrm{sq.cm}$
X $3.46 \mathrm{sq} . \mathrm{cm}$
$\times 4.47 \mathrm{sq.cm}$
Q. 48 A six-digit number 763254 is divisible by 18 . If we subtract five times of 41 from the number, then the new number which is formed will be divisible by:
Ans
$\times 1.2$

- 2.7
$\times 3.5$
$\times 4.3$
Q. 49 A thief, seeing a policeman from a distance of 120 metres, starts running at a speed of 7 $\mathrm{km} / \mathrm{h}$. The policeman chases immediately with a speed of $8 \mathrm{~km} / \mathrm{h}$ and the thief is caught. What is the distance run by the thief?

Ans
X 1.780 m
X 2. 800 m

- 3.840 m

X4. 820 m
Q. 50 In an assembly election, a candidate got $60 \%$ of the total valid votes. $2 \%$ of the total votes were declared invalid. If the total number of voters is $1,50,000$, then find the number of valid votes polled in favour of that candidate.

Ans
X $1.78,000$
$\times 2.86,400$
X 3.90,000
4. 88,200

## Section : English Comprehension

Q. 1 Select the most appropriate idiom for the underlined segment in the given sentence.

I took a quick trip to my cousin's house before going on vacation to Africa.
Ans
$X 1$. Break the journey
2. Paid a flying visit
$X$ 3. Float one's boat
X 4. Lived out of a suitcase

## Q. 2 Select the most appropriate ANTONYM of the given word.

Amateur
Ans $\quad \times 1$. Hospitable
$\times 2$. Pupil
X 3. Scholar
4. Professional
Q. 3 Select the most appropriate phrase for the underlined segment in the given sentence.

The judgment was rejected by the Chief Justice.
Ans

1. Set aside
$X$ 2. Stand out
$X$ 3. Seen through
www.dotsias.com
$X$ 4. Run in
Q. 4 Select the most appropriate meaning of the given idiom.

Be hard hit
Ans
$X$ 1. An extreme struggle
X 2. To hit someone hard
3. Severely affected by something unpleasant

X 4. To speak something unpleasant
Q. 5 Select the most appropriate ANTONYM of the underlined word.

The penitent husband spends days at his wife's grave.
Ans
$X$ 1. Sorry
X 2. Pertinent
3. Unrepentant

X 4. Penniless

## Q. 6 Select the INCORRECTLY spelt word.

Ans $\times 1$. Frieze
$X$ 2. Fortunate
X 3. Funereal
4. Fortuiteous
Q. 7 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The child was irritable / because she had not / soundly slept / the previous night.
Ans
$X 1$. The child was irritable
$X 2$. because she had not
$X$ 3. the previous night
4. soundly slept
Q. 8 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The flames of the fire leap into the air.
Ans
$X 1$. No substitution required
$X$ 2. leap in
X 3. leaping into
4. leapt into
Q. 9 Select the most appropriate meaning of the underlined idiom.

It is wise to sit on the fence and not become a party to another World War.
Ans $\quad \times 1$. Become a peacemaker between two fighting or competing parties.
X 2. Overtaking the thing of interest that the other parties are fighting for while they are fighting
$X$ 3. Defending the no man's land
4. A person's lack of decisiveness, neutrality or hesitance to choose between two sides
in an argument or a competition
Q. 10 Select the INCORRECTLY spelt word.

Ans 1. Beleive
X 2. Appropriate
X 3. Terminology
X4. Conceive
Q. 11 Select the most appropriate option to replace the underlined word in the given sentence.

There is no reason for him to be angry.
Ans
$X 1$. sanity
2. logic
$X$ 3. lucidity
X 4. argument
Q. 12 Select the option that can be used as a one-word substitute for the given group of words.

One who is bad in spellings
www.dotsias.com
Ans
$X$ 1. Chauvinist
2. Cacographer
$X$ 3. Photographer
X 4. Choreographer
Q. 13 Select the most appropriate synonym of the given word. Conjure
Ans
X 1. Appease
$X$ 2. Quiet
3. Appeal

X 4. Content
Q. 14 Identify the sentence that correctly uses the indefinite article.

Ans $\times 1$. A taco is a traditional Mexican dish consisting of an tortilla topped with filling.
$\times 2$. An taco is a traditional Mexican dish consisting of tortilla topped with filling.
X 3. A taco is traditional Mexican dish consisting of a tortilla topped with an filling.
4. A taco is a traditional Mexican dish consisting of a tortilla topped with a filling.
Q. 15 Select the most appropriate meaning of the underlined segment in the given sentence. Vishnu was a naughty little boy, but I couldn't help having a soft spot for him.
Ans
$X$ 1. doing something good for someone you have done something bad to in the past
$X 2$. getting on extremely well with someone
3. feeling a lot of affection for one particular person, often without knowing why
$X 4$. liking someone immediately
Q. 16 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The application of the medicine seemed to lesson his pain.
Ans
$X 1$. No substitution required
2. lessoned

X 3. lesion
4. lessen
Q. 17 Select the most appropriate idiom from the following options that can substitute the underlined part of the given sentence.
He is a disgrace to his family.
Ans
$X 1$. A fish out of water
X 2. A white elephant
www.dotsias.com
X 3. A lone wolf
4. A black sheep
Q. 18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

She has checked everything she needs before started work.
Ans
X 1. before start to working
X 2. before starts work
3. before starting work

X 4. before start working
Q. 19 Select the most appropriate option that can substitute the underlined segment in the given sentence.

You must not insists on help people who don't want it.
Ans
Х 1. insist for helping
X 2. insists of help
X 3. insist to help
2. insist on helping
Q. 20 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. Sheila always went to get ice cream with her dad on Tuesdays.
Ans
X 1. went to got
2. No improvement required

X 3. gone to get
X 4. had gotten
Q. 21 Select the most appropriate synonym of the given word.

Indignation
Ans
Х 1. Resignation
X 2. Designation
X 3. Defence
4. Offense
Q. 22 Select the most appropriate meaning of the given idiom.

To throw caution to the wind
Ans

1. To do something without worrying about the risk
$X$ 2. To do something with caution
X 3. To do something after thinking about the result
2. To do something carefully
Q. 23 Select the most appropriate synonym of the highlighted word. I was in a quandary whether to accept the proposal or not.

Ans
$X 1$. sundry
$X$ 2. reluctance
$X$ 3. rage
4. dilemma
Q. 24 Select the most appropriate ANTONYM of the given word.

Approximately
Ans

1. Exactly
$\times 2$. Vaguely
$X$ 3. Hourly
X 4. Truly

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

Vigorous
Ans $\quad X 1$. Hard
$X$ 2. Extreme
www.dotsias.com
3. Delicate
$\times 4$. Energetic

## Q. 26 Select the most appropriate ANTONYM of the underlined word.

The subordinates will vituperate us when they are irritated.
Ans
X 1. Blame
2. Praise

X 3. Abuse
X4. Demean

## Q. 27 Select the INCORRECTLY spelt word.

Ans
X 1. Laboratory
X 2. Scientist
X 3. Cushion

- 4. Posthumusly
Q. 28 Select the most appropriate synonym of the underlined word in the given sentence. Pankaj always tries his best to uphold the reputation of his institution.

Ans

- 1. prestige

X 2. opinion
X 3. growth
X4. position
Q. 29 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Why should I be suspect by you?
Ans
X 1 . I been suspect
X 2. I been suspected
X 3 . I have been suspect
4. I be suspected
Q. 30 Select the option that can be used as a one-word substitute for the underlined words in the given sentence.

Can you explain to the person hired to drive our car, my everyday schedule?
Ans

1. chauffeur
$X$ 2. conductor
X 3. calligrapher
$\times 4$. cardiologist
Q. 31 Select the most appropriate synonym of the given word.

Rebellious
Ans
X 1. Manageable
2. Unruly

X 3. Happy
X4. Obedient
Q. 32 Select the most appropriate meaning of the underlined idiom in the following sentence.

A wise man remains aware of fair-weather friends.
Ans
$X 1$. A person with good knowledge of weather
X 2. A helpful person
3. A person not reliable in difficult time

X 4. A person from an area of pleasant weather
Q. 33 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

With tear eyes, she said goodbye to her dear friend.
Ans
$X$ 1. tear up eyes
2. teary eyes
$X$ 3. No substitution required
4. tearing eyes
Q. 34 Select the most appropriate meaning of the given idiom.

Go round in circles
Ans
X 1. Be forced to explain your actions and probably be punished
X 2. Become very confused when you are trying to explain something
3. Make no progress in an argument or discussion
4. Believe something good about someone even though you could believe either good or bad
Q. 35 Select the option that expresses the given sentence in passive voice. Sugar tastes sweet.
Ans $\quad \times 1$. Sugar is sweet when tasted.
$X$ 2. Sugar is sweet when tastes.
3. Sugar is sweet when it is tasted.
$X 4$. Sugar is sweet when it has been tasted sweet.
Q. 36 Select the most appropriate synonym of the given word. Profit
Ans
$X 1$. Payment
X 2. Loss
X 3. Debt
4. Benefit
Q. 37 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Sia is always afraid of loosing her favourite doll.
Ans
$X 1$. for loosing
$X$ 2. to loosing
X 3. No substitution required
4. of losing
Q. 38 Select the INCORRECTLY spelt word.

Ans $\quad \times 1$. Thesaurus
$\times 2$. Difficulty
3. Dinoshauraus
$X 4$. Dictionary
Q. 39 Select the most appropriate meaning of the given idiom.

In a nutshell
Ans
X 1. Scrupulously
$\times 2$. Constructively
3. Briefly

X 4. Knotty
Q. 40 Select the INCORRECTLY spelt word.

Ans
$X 1$. Wench
$X$ 2. Weird
$X$ 3. Winch
4. Whorle

## Comprehension:

Read the given passage and answer the questions that follow.
Key factors influencing subway air pollution will include station depth, date of construction, type of ventilation (natural/air conditioning), types of brakes (electromagnetic or conventional brake pads) and wheels (rubber or steel) used on the trains, train frequency and more recently the presence or absence of platform screen-door systems.
In particular, much subway particulate matter is sourced from moving train parts such as wheels and brake pads, as well as from the steel rails and power-supply materials, making the particles dominantly iron-containing.
To date, there is no clear epidemiological indication of abnormal health effects on underground workers and commuters. New York subway workers have been exposed to such air without significant observed impacts on their health, and no increased risk of lung cancer was found among subway train drivers in the Stockholm subway system.
But a note of caution is struck by the observations of scholars who found that employees working on the platforms of Stockholm underground, where PM concentrations were greatest, tended to have higher levels of risk markers for cardiovascular disease than ticket sellers and train drivers.
The dominantly ferrous particles are mixed with particles from a range of other sources, including rock ballast from the track, biological aerosols such as bacteria and viruses, and air from the outdoors, and driven through the tunnel system on turbulent air currents generated by the trains themselves and ventilation systems.

SubQuestion No: 41
Q. 41 What is the passage about?

Ans $\times 1$. Metro life and the subway facilities
$X 2$. The benefits of subway life
$X$ 3. Pollution created by the railroad
4. The risky life in the subways

## Comprehension:

Read the given passage and answer the questions that follow.
Key factors influencing subway air pollution will include station depth, date of construction, type of ventilation (natural/air conditioning), types of brakes (electromagnetic or conventional brake pads) and wheels (rubber or steel) used on the trains, train frequency and more recently the presence or absence of platform screen-door systems.
In particular, much subway particulate matter is sourced from moving train parts such as wheels and brake pads, as well as from the steel rails and power-supply materials, making the particles dominantly iron-containing.
To date, there is no clear epidemiological indication of abnormal health effects on underground workers and commuters. New York subway workers have been exposed to such air without significant observed impacts on their health, and no increased risk of lung cancer was found among subway train drivers in the Stockholm subway system.
But a note of caution is struck by the observations of scholars who found that employees working on the platforms of Stockholm underground, where PM concentrations were greatest, tended to have higher levels of risk markers for cardiovascular disease than ticket sellers and train drivers.
The dominantly ferrous particles are mixed with particles from a range of other sources, including rock ballast from the track, biological aerosols such as bacteria and viruses, and air from the outdoors, and driven through the tunnel system on turbulent air currents generated by the trains themselves and ventilation systems.

SubQuestion No : 42
Q. 42 Select the most suitable word from the passage which means 'not covered or hidden'.

Ans

1. Exposed
$X$ 2. Turbulent
$X$ 3. Sourced
X 4. Abnormal

## Comprehension:

Read the given passage and answer the questions that follow.
Key factors influencing subway air pollution will include station depth, date of construction, type of ventilation (natural/air conditioning), types of brakes (electromagnetic or conventional brake pads) and wheels (rubber or steel) used on the trains, train frequency and more recently the presence or absence of platform screen-door systems.
In particular, much subway particulate matter is sourced from moving train parts such as wheels and brake pads, as well as from the steel rails and power-supply materials, making the particles dominantly iron-containing.
To date, there is no clear epidemiological indication of abnormal health effects on underground workers and commuters. New York subway workers have been exposed to such air without significant observed impacts on their health, and no increased risk of lung cancer was found among subway train drivers in the Stockholm subway system.
But a note of caution is struck by the observations of scholars who found that employees working on the platforms of Stockholm underground, where PM concentrations were greatest, tended to have higher levels of risk markers for cardiovascular disease than ticket sellers and train drivers.
The dominantly ferrous particles are mixed with particles from a range of other sources, including rock ballast from the track, biological aerosols such as bacteria and viruses, and air from the outdoors, and driven through the tunnel system on turbulent air currents generated by the trains themselves and ventilation systems.

SubQuestion No: 43
Q. 43 Which of the following diseases is found commonly among workers in underground subways?
Ans
$X 1$. Renal
X 2. Abdominal
3. Cardiovascular
$X$ 4. Pulmonary

## Comprehension:

Read the given passage and answer the questions that follow.
Key factors influencing subway air pollution will include station depth, date of construction, type of ventilation (natural/air conditioning), types of brakes (electromagnetic or conventional brake pads) and wheels (rubber or steel) used on the trains, train frequency and more recently the presence or absence of platform screen-door systems.
In particular, much subway particulate matter is sourced from moving train parts such as wheels and brake pads, as well as from the steel rails and power-supply materials, making the particles dominantly iron-containing.
To date, there is no clear epidemiological indication of abnormal health effects on underground workers and commuters. New York subway workers have been exposed to such air without significant observed impacts on their health, and no increased risk of lung cancer was found among subway train drivers in the Stockholm subway system.
But a note of caution is struck by the observations of scholars who found that employees working on the platforms of Stockholm underground, where PM concentrations were greatest, tended to have higher levels of risk markers for cardiovascular disease than ticket sellers and train drivers.
The dominantly ferrous particles are mixed with particles from a range of other sources, including rock ballast from the track, biological aerosols such as bacteria and viruses, and air from the outdoors, and driven through the tunnel system on turbulent air currents generated by the trains themselves and ventilation systems.

SubQuestion No : 44
Q. 44 What is the tone of the speaker?

Ans

1. Serious
www.dotsias.com
$X$ 2. Pessimistic
$X$ 3. Joyful
X 4. Informal

## Comprehension:

Read the given passage and answer the questions that follow.
Key factors influencing subway air pollution will include station depth, date of construction, type of ventilation (natural/air conditioning), types of brakes (electromagnetic or conventional brake pads) and wheels (rubber or steel) used on the trains, train frequency and more recently the presence or absence of platform screen-door systems.
In particular, much subway particulate matter is sourced from moving train parts such as wheels and brake pads, as well as from the steel rails and power-supply materials, making the particles dominantly iron-containing.
To date, there is no clear epidemiological indication of abnormal health effects on underground workers and commuters. New York subway workers have been exposed to such air without significant observed impacts on their health, and no increased risk of lung cancer was found among subway train drivers in the Stockholm subway system.
But a note of caution is struck by the observations of scholars who found that employees working on the platforms of Stockholm underground, where PM concentrations were greatest, tended to have higher levels of risk markers for cardiovascular disease than ticket sellers and train drivers.
The dominantly ferrous particles are mixed with particles from a range of other sources, including rock ballast from the track, biological aerosols such as bacteria and viruses, and air from the outdoors, and driven through the tunnel system on turbulent air currents generated by the trains themselves and ventilation systems.

## SubQuestion No : 45

Q. 45 Inferring from passage, what is the most practical way of reducing the health risk of subway life?
Ans
$X$ 1. Opting for other transportation modes
X 2. Wearing face masks during journey
X 3. Reducing subway commutation
4. Generating ventilation systems

## 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 indeed (1) $\qquad$ to create an urban forest to control air pollution. It is like a child's play if (2) $\qquad$ awareness is created among people of all ages. Just (3) $\qquad$ a mango seed or a jackfruit seed into fertile ground or make seed bombs for the seed to sprout during rainy season. Authorities must take (4) $\qquad$ measures to ensure a part of the town or city is allocated to plant trees. This ensures the (5) $\qquad$ of adequate oxygen to people.

SubQuestion No : 46
Q. 46 Select the most appropriate option to fill in blank number 1.

Ans
X 1. difficult
2. easy

X 3. impossible
X 4.impractical

## 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 indeed (1) $\qquad$ to create an urban forest to control air pollution. It is like a child's play if (2) is created among people of all ages. Just (3) $\qquad$ a mango seed or a jackfruit seed into fertile ground or make seed bombs for the seed to sprout during rainy season. Authorities must take (4) $\qquad$ measures to ensure a part of the town or city is allocated to plant trees. This ensures the (5) $\qquad$ of adequate oxygen to people.

SubQuestion No : 47
Q. 47 Select the most appropriate option to fill in blank number 2.
www.dotsias.com
Ans

1. adequate
$X$ 2. few
$X$ 3.much
$X$ 4. quite

## 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 indeed (1) $\qquad$ to create an urban forest to control air pollution. It is like a child's play if (2) $\qquad$ awareness is created among people of all ages. Just (3) $\qquad$ a mango seed or a jackfruit seed into fertile ground or make seed bombs for the seed to sprout during rainy season. Authorities must take (4) $\qquad$ measures to ensure a part of the town or city is allocated to plant trees. This ensures the (5) $\qquad$ of adequate oxygen to people.

SubQuestion No : 48
Q. 48 Select the most appropriate option to fill in blank number 3.

Ans
$X 1$. pick
$\times 2$. peel
X 3. pull
4. throw

## 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 indeed (1) $\qquad$ to create an urban forest to control air pollution. It is like a child's play if (2) is created among people of all ages. Just (3) $\qquad$ a mango seed or a jackfruit seed into fertile ground or make seed bombs for the seed to sprout during rainy season. Authorities must take (4) $\qquad$ measures to ensure a part of the town or city is allocated to plant trees. This ensures the (5) $\qquad$ of adequate oxygen to people.

SubQuestion No : 49
Q. 49 Select the most appropriate option to fill in blank number 4.

Ans

| $X$ 1. time-consuming | www.dotsias.com |
| :--- | :--- |
| 3. glamorous |  |
| $\times$ 4. lethargic |  |

## 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 indeed (1) $\qquad$ to create an urban forest to control air pollution. It is like a child's play if
(2) $\qquad$ awareness is created among people of all ages. Just (3) $\qquad$ a mango seed or a jackfruit seed into fertile ground or make seed bombs for the seed to sprout during rainy season. Authorities must take (4) $\qquad$ measures to ensure a part of the town or city is allocated to plant trees. This ensures the (5) $\qquad$ of adequate oxygen to people.

SubQuestion No : 50

## Q. 50 Select the most appropriate option to fill in blank number 5.

Ans
$X 1$.mix
$X$ 2. shortage
3. availability

X 4. lack

