## Multi Tasking Non Technical Staff Havaldar CBIC and CBN Examination 2021

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $08 / 07 / 2022$ |
| Exam Time | $9: 00$ AM - 10:30 AM |
| Subject | MTS Non technical and Havaldar Examination 2021 |

## Section : General English

Q. 1 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

The scientists have so far focused on improve cropped yields.
Ans

1. improving crop

X 2. improvement crop
$X$ 3. No improvement required
$\times 4$. improve cropping
Q. 2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The brightest stars / can be $\mathbf{3 0 , 0 0 0}$ times / most luminous / than the Sun
Ans
$X$ 1. The brightest stars
2. most luminous

X 3. can be 30,000 times
X 4. than the Sun
Q. 3 Select the most appropriate option to fill in the blank.

He persuaded other towns near Amman to send $\qquad$ soldiers to help him.
Ans
$X$ 1. its
$X$ 2. there
3. their
$X 4$. they
Q. 4 Select the most appropriate synonym of the given word.

## Callous

Ans

1. Brutal
$\times 2$. Problematic
X 3. Large
X 4. Humane
Q. 5 Select the most appropriate synonym of the given word.

Caustic
Ans

1. Acidic
$X$ 2. Photogenic
$\times$ 3. Basic
$\times 4$. Soothing
Q. 6 Select the most appropriate option to fill in the blank.

Could you spell your name $\qquad$ , please?
Ans
$X 1$. weakly
X 2. never
3. again
$\times 4$. forever
Q. 7 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The courses provided by the training institute were more than enough .
Ans
$X 1$. more then enough
$X$ 2. more enough
$X$ 3. most enough
4. No improvement required
Q. 8 Select the most appropriate meaning of the given idiom.

To walk the tight rope
Ans
X 1. Be an expert
2. Be very cautious
$X$ 3. Be well trained
X 4. Be very nervous
Q. 9 The following sentence has been divided into parts. One of them may contain an error.

Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Land revenue was one of the / major source of income / for Britishers in India.
Ans
$X 1$. No error
X 2. Land revenue was one of the
3. major source of income

X 4. for Britishers in India
Q. 10 Select the most appropriate option to fill in the blank.

Pilots must be $\qquad$ at all times to keep their passengers safe during the flight.
Ans
$X$ 1. thirsty
X 2. distant
3. vigilant
$\times 4$. forceful
Q. 11 Select the most appropriate option to fill in the blank.

If she likes something, she'll buy it $\qquad$ much it costs.

Ans

1. however
$X$ 2. whatever
X 3. also
X 4. very
Q. 12 Select the sentence in which a word is INCORRECTLY spelt.

Ans $\times 1$. He hoped that he had won the prestigious award.
$\times 2$. I could never be as talented as him.
3. His breathe smelled of garlic.
4. A woman gasped in horror at the sight of him.
Q. 13 Select the most appropriate ANTONYM of the given word.

Wicked
Ans
X 1. Evil
$X$ 2. Sinful
X 3. Errant
4. Moral
Q. 14 Select the most appropriate synonym of the underlined word.

Medicines should be ordered by the generic name, not by the proprietary or trade name.

Ans
$X 1$. Exclusive
2. General
$X$ 3. Indidual
× 4. Specific
Q. 15 Select the most appropriate option to fill in the blank.

Ms. Gupta expressed her ___ for my political understanding.
Ans

1. admiration

X 2. location
$X$ 3. strength
X4. compassion
Q. 16 Select the most appropriate meaning of the underlined idiom.

When those thugs come near you, run at the drop of a hat.
Ans
$X 1$. Be dressed for a party
$X 2$. With all your belongings
X 3. Go on a short trip
4. Without delay
Q. 17 Select the option that can be used as a one-word substitute for the given group of words.

A person who makes maps
Ans
$X 1$. Sinecure
$X$ 2. Anarchist
3. Cartographer

X 4. Polyglot
Q. 18 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

He is / struggling to make / a honest living.
Ans
X 1. struggling to make
X 2. No error
3. a honest living
$X 4$. He is

## Q. 19 Select the correctly spelt word.

Ans

1. Institute
$X$ 2. Insitute
$X$ 3. Instute
X 4. Insetute
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'.

While travelling, one comes across the larger number of people.
Ans
$X$ 1. the large number off
X 2. No improvement required
$X$ 3. an larger number of
4. a large number of

## 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.

In Delhi, while the bigger schools transport their students in their own or hired buses; others rely on vans, autos and e-rickshaws where many reckless drivers pack in too many children and drive (1) $\qquad$ , often causing accidents. Many parents take time off their daily (2)
to do school-runs. Some use vehicles while others just walk their children to school.
Two months ago, it was reported how in the (3) $\qquad$ of road-crossing facilities near schools, a bunch of parents were taking turns to play traffic marshals. Not so long ago, children could just walk or cycle to their schools, private tuition classes or sports practice. In fact, school authorities (4) $\qquad$ to admit students living within walkable distances so that they wouldn't have to take the school bus or public transport. As Delhi grew, its children (5) not only traffic, broken infrastructure but also violence, air-pollution and overcrowded living conditions.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank number 1 .

Ans $\quad \times 1$. humbly
$X 2$. decisively
3. rashly

X 4. commonly

## 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.

In Delhi, while the bigger schools transport their students in their own or hired buses; others rely on vans, autos and e-rickshaws where many reckless drivers pack in too many children and drive (1) $\qquad$ , often causing accidents. Many parents take time off their daily (2)
$\overline{\text { Two months ago, it was reported how in the (3) of road-crossing facilities near }}$ schools, a bunch of parents were taking turns to play traffic marshals. Not so long ago, children could just walk or cycle to their schools, private tuition classes or sports practice. In fact, school authorities (4) $\qquad$ to admit students living within walkable distances so that they wouldn't have to take the school bus or public transport. As Delhi grew, its children (5) not only traffic, broken infrastructure but also violence, air-pollution and overcrowded living conditions.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans
X 1. habit
2. routines

X 3. problems
X 4. task

## 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.

In Delhi, while the bigger schools transport their students in their own or hired buses; others rely on vans, autos and e-rickshaws where many reckless drivers pack in too many children and drive (1) $\qquad$ often causing accidents. Many parents take time off their daily (2) to do school-runs. Some use vehicles while others just walk their children to school. Two months ago, it was reported how in the (3) $\qquad$ of road-crossing facilities near schools, a bunch of parents were taking turns to play traffic marshals. Not so long ago, children could just walk or cycle to their schools, private tuition classes or sports practice. In fact, school authorities (4) $\qquad$ to admit students living within walkable distances so that they wouldn't have to take the school bus or public transport. As Delhi grew, its children (5) not only traffic, broken infrastructure but also violence, air-pollution and overcrowded living conditions.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans

1. absence

X 2. non-compliance
X 3. defiance
X4. reference

## 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.

In Delhi, while the bigger schools transport their students in their own or hired buses; others rely on vans, autos and e-rickshaws where many reckless drivers pack in too many children and drive (1) $\qquad$ , often causing accidents. Many parents take time off their daily (2)
$\overline{\text { Two months ago, it was reported how in the (3) of road-crossing facilities near }}$ schools, a bunch of parents were taking turns to play traffic marshals. Not so long ago, children could just walk or cycle to their schools, private tuition classes or sports practice. In fact, school authorities (4) $\qquad$ to admit students living within walkable distances so that they wouldn't have to take the school bus or public transport. As Delhi grew, its children (5) not only traffic, broken infrastructure but also violence, air-pollution and overcrowded living conditions.

SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans
$X$ 1. rescued
$X$ 2. guided
$X 3$. added
4. preferred

## 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.

In Delhi, while the bigger schools transport their students in their own or hired buses; others rely on vans, autos and e-rickshaws where many reckless drivers pack in too many children and drive (1) $\qquad$ , often causing accidents. Many parents take time off their daily (2)
to do school-runs. Some use vehicles while others just walk their children to school.
Two months ago, it was reported how in the (3) $\qquad$ of road-crossing facilities near schools, a bunch of parents were taking turns to play traffic marshals. Not so long ago, children could just walk or cycle to their schools, private tuition classes or sports practice. In fact, school authorities (4) $\qquad$ to admit students living within walkable distances so that they wouldn't have to take the school bus or public transport. As Delhi grew, its children (5) not only traffic, broken infrastructure but also violence, air-pollution and overcrowded living conditions.

SubQuestion No: 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. faced
$X$ 2. replied
$X$ 3. called
$X 4$. relied

[^0]Q. 1 In a certain code language, 'VIOLET' is written as 'TJMMCU', and 'MARKET' is written as 'KBPLCU'. How will 'ROCKET' be written in that language?
Ans

1. PPALCU
$\times$ 2. UCALTP
X 3. GGSJAL
$\times$ 4.PAPPLU
Q. 2 Select the option in which the two numbers are related in the same way as are the numbers in the given number-pair.

416 : 614 :: ?
Ans
X 1. $384: 843$
2. 286 : 682
$\times 3.483: 843$
X $4.592: 925$
Q. 3 Select the number from among the given options that can replace the question mark
(?) in the following series.
12, 25, 51, 103, 207, ?
Ans

- 1.415
$\times 2.413$
$\times 3.416$
$\times 4.414$
Q. 4 In a certain code language, if bread is called butter, butter is called blood, blood is called water, water is called cheese, and cheese is called toner, then what is red in colour?
Ans

1. Water

X 2. Butter
$X$ 3. Toner
X 4. Blood
Q. 5 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the
following figures. How would this paper look when unfolded?


Ans

$\times 4$.

Q. 6 In a certain code language, 'READS' is written as 'IVZWH', and 'FRIBC' is written as 'UIRYX'. How will 'GHKTX' be written in that language?
Ans
X 1. TSPCG
X 2. TSPGD
3. TSPGC

X 4. TTPGC
Q. 7 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

Q. 8 Which number will replace the question mark (?) in the following series?

40, 80, 200, 600, 2100,?
Ans $\times 1.10500$
$\times 2.9600$

- 3.8400
$\times 4.6300$
Q. 9 Seven girls G1, G2, G3, G4, G5, G6 and G7 sit in a row facing towards the north (not necessarily in the same order). G4 sits fifth to the right of G1. G4 does not sit at any of the extreme ends. G6 sits exactly in the middle of the row. G6 sits third to the left of G2. Only two girls sit between G7 and G5. G7 is not an immediate neighbour of G6. Who are the immediate neighbours of G3?

Ans
X1. G4 and G2
X 2. G5 and G7
3. G6 and G7

X4. G1 and G2
Q. 10 Select the option in which the given figure is embedded.


Ans
$\times 1$

$\times 2$.

$\checkmark 3$.

$\times 4$.

Q. 11 Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

P4 : N9 :: M16 : K25 :: G49 : ?
Ans
X 1. H55
X2. F64
$\times 3.172$
2. E64
Q. 12 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BAL : ODE :: AGR : ?
Ans
X 1. UKD
X 2. UJE
X 3.VJD
2. UJD
Q. 13 In a certain code language, 'TOPICS' is written as 'QAGONS' and 'GREATH' is written as 'FRYDQF'. How will 'BANDEF' be written in that language?
Ans
X 1. DCCMZA

- 2. DCBMZA

X 3. DCBMYA
X4. DCBNYA
Q. 14 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

Q. 15 After interchanging the two signs + and $\times$, what will be the value of the given equation?

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    25 < 5+4\div2-10=?
Ans
    X1.35
    X 2.20
    >3.30
    4.25
```

Q. 16 Select the correct mirror image of the given figure when the mirror is placed to its right side.


Ans
$\times 1$

$\times 2$.

$\times 3$.

$\checkmark 4$

Q. 17 The ages of seven boys B1, B2, B3, B4, B5, B6 and B7 are compared. All boys have different ages. The age of $B 4$ is less than three boys. The age of $B 1$ is only greater than B7 and B3. The age of B5 is greater than B6 but less than B2. The age of how many boys is less than B6?
Ans
$\times 1.2$
$\times 2.1$
$\times 3.3$

* 4.4
Q. 186 persons A, B, C, D, E and F are sitting around a rectangular table facing the centre (not necessarily in the same order). Two persons are sitting on each larger side and one person is sitting on each shorter side. $\mathbf{D}$ is sitting opposite to F . A and E are sitting on the same side. Neither B nor $E$ is sitting just next to $D$. $C$ sits to the right of $D$. Which of the following statements is correct?
I. C is the second to the left of $F$.
II. E is sitting opposite to C .

Ans

1. Only I

X 2. Only II
X 3. Both I and II
X 4. Neither I nor II
Q. 19 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
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)

21: 9261:: 17 : 4913 :: 8 : ?
Ans
X 1.1024
$\times 2.488$

- 3.512
$\times 4.2356$
Q. 20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
I. No car is red.
II. All reds are blues.

Conclusions:
I. Some blues are not cars.
II. No red is a car.

Ans

1. Both conclusions I and II follow

X 2. Neither conclusion I nor II follows
$X$ 3. Only conclusion I follows
$X 4$. Only conclusion II follows
Q. 21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

Some blankets are pillows.
All pillows are cushions.
Conclusions:
I. Some blankets are cushions is a possibility.
II. Some cushions are pillows.

Ans
$X$ 1. Only conclusion II follows
X 2. Only conclusion I follows
X 3. Neither conclusion I nor II follows
4. Both conclusions I and II follow
Q. 22 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.

AZBZ : CYDY :: EXFX : GWHW :: IVJV :?
Ans
X 1.IJKV
X 2. KVLV
X 3.IUJU
4. KULU
Q. 23 By interchanging the given two signs and two numbers (not digits), which of the following equations will NOT be correct?
$x$ and,- 27 and 35
I. $27 \div 7-6 \times 5+35=53$
II. $11-7+35 \times 420 \div 27=93$

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

- 3. Both I and II

X 4. Only I
Q. 24 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 25 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

RN, NP, JR, ?, BV
Ans
X1.ER
$\times 2$. ET
X 3.FS
4.FT
Q. 1 यदि ब्याज चैमासिक देय है, तो ₹ 8,000 की राशि पर $5 \%$ की वार्षिक दर से 3 महीने का चक्रवृद्धि ब्याज कितना होगा?
Ans

1. ₹100

X 2. ₹150
X 3. ₹ 80
X4. ₹ 120
Q. 2 A bag contains ₹ 5 and ₹ 10 coins for a total of 40 coins and a total amount of ₹ 310 . What is the difference between the amount made up of all ₹ 10 coins and the amount made up of all ₹ 5 coins?

Ans
X 1. ₹125
X 2. ₹ 120
X 3. ₹ 110

- 4 ₹ 130
Q. 3 The cost price of a car is five times of the loss incurred on selling this car. What is the loss percentage?

Ans
X 1. 25\%
X 2. $16.66 \%$

- 3. $20 \%$

X4. $33.33 \%$
Q. 4 What is the value of $5+[12+3 \times\{5+(6 \times 3-5)\}]$ ?

Ans
$\times 1.75$
$\times 2.74$
-3. 71
$\times 4.66$
Q. 5 The simple interest on a sum at $3 \%$ p.a in 3 years is ₹ 315 . What is the compound interest on the same sum at $4 \%$ p.a in 2 years, interest compounded yearly?
Ans
$\times 1$. ₹ 228.48
$\times 2$ ₹ 204
X 3. ₹326.6
4. ₹ 285.6
Q. 6 In an office with 40 officers, the average salaries of class-A, class-B and class-C officers are ₹ 600 , $₹ 750$ and $₹ 1,000$ a day, respectively. The numbers of class-A, class-B and class-C officers in the office are in the ratio $5: 4: 1$, respectively. Find the monthly average salary (in ₹) of an officer, all the 40 of them taken together. [Assume the number of days in a month to be 30.]
Ans
X 1. 25,800
2. 21,000

X 3. 24,030
X4. 24,600
Q. 7 The volume of a cuboid is $3300 \mathrm{~cm}^{3}$. The sum of the length and the breadth of the cuboid is 37 cm . If the difference between the length and the breadth of the cuboid is 13 cm , then what is the height of the cuboid?
Ans
$\times 1.18 \mathrm{~cm}$
2. 11 cm
$\times 3.14 \mathrm{~cm}$
$\times 4.16 \mathrm{~cm}$
Q. 8 Find the height of a right pyramid if its base is a square of side 80 cm and the volume of the pyramid is $16000 \mathrm{~cm}^{3}$.

Ans
$X 1.4 .5 \mathrm{~cm}$
2. 7.5 cm

X3. $2 \sqrt{2} \mathrm{~cm}$
$\times 4.2 .5 \mathrm{~cm}$
Q. 9 A and $B$ currently have an age ratio of $7: 3$. After 7 years this age ratio will become $2: 1$. After how many years from now will the age ratio between the ages of $A$ and $B$ become $3: 2$ ?

Ans
$x 1.49$ years
$\times 2.42$ years
3. 35 years

X4. 28 years
Q. $10 \mathrm{P}, \mathrm{Q}$ and R can complete a task together in 15 days. P and R can complete the task together in 40 days. In how many days can Q complete the task alone?

Ans
X 1. 30 days
2. 24 days
$X$ 3. 21 days
X4. 25 days
Q. 11 If $\mathrm{P}=2^{3} \times 5^{8}$ and $\mathrm{Q}=3^{5} \times 7^{3}$, then what is the least common multiple of P and Q ?

Ans

1. $2^{3} \times 3^{5} \times 5^{8} \times 7^{3}$
x2. $3^{5} \times 5^{8} \times 7^{3}$
X3. $3^{5} \times 5^{8}$
X4. $5^{8} \times 7^{3}$
Q. 12 Study the given pie-chart and answer the question that follows.

The following pie chart shows the sectors representing the shares of the number of matches played by a team in each of eight consecutive years in terms of the central angles (in degrees) with respect to the total number of matches played by the team in all the eight years taken together.


The total number of matches played by the team in the years Y2 and Y8 taken together is approximately what percentage of the total number of matches played by the team in all the eight years taken together?

Ans

1. $13.33 \%$
$\times 2.15 .75 \%$
X 3. $10.25 \%$
X4. 14.28\%
Q. 13 The population of a village decreases every year at the rate of $3 \%$. If the present population is 28227 , what was the population of the village two years ago?

Ans
X1. 31868
2. 30000
$\times 3.32472$
$\times 4.30560$
Q. 14 The price of kerosene is ₹ 48 per litre and the price of spirit is ₹ 30 per litre. In what ratio should the kerosene and spirit be mixed so that the profit after selling the mixture at ₹ 60 per litre will be $50 \%$ ?
Ans $\quad \times 1.1: 1$
2. $5: 4$
$\times 3.2: 3$
$\times 4.3: 4$
Q. 15 Pinky can swim 27 km downstream or 15 km upstream in 3 hours. What is the velocity of the current?
$X 1.3 \mathrm{~km} / \mathrm{h}$
X2. $5 \mathrm{~km} / \mathrm{h}$
X 3. $4 \mathrm{~km} / \mathrm{h}$
4. $2 \mathrm{~km} / \mathrm{h}$
Q. 16 The monthly income of a person is ₹ 25,000 . He spends $80 \%$ of his income and saves the rest. His nominal income and his nominal spending both increase by $10 \%$. What will be his new savings?
Ans 1. ₹ 5,500
X 2. ₹ 6,000
X 3. ₹ 5,750
X4. ₹ 5,000
Q. 17 नीचे दी गई तालिका का अध्ययन करें और उसके आधार पर दिए गए प्रश्न का उत्तर दें। दी गई तालिका छः अलग-अलग शहरों में COVID-19 से पीड़ित जनसंख्या के प्रतिशत और पीड़ित पुरुषों और महिलाओं के अनुपात को दर्शाती है।

| शहर | COVID-19 से <br> पीड़ित जनसंख्या <br> का प्रतिशत | COVID-19 से <br> पीड़ित पुरुषों और <br> महिलाओं का <br> अनुपात |
| :--- | :--- | :--- |
| दुर्जनपुर | 40 | $3: 2$ |
| सीतापुर | 21 | $2: 1$ |
| दुर्गापुर | 60 | $5: 7$ |
| श्यामपुर | 50 | $7: 3$ |
| हरिपुर | 55 | $6: 5$ |
| देवपुर | 25 | $4: 1$ |

यदि हरिपुर में, COVID-19 के पुरुष रोगियों की संख्या 8436 थी और सीतापुर में, COVID-19 के महिला रोगियों की संख्या, हरिपुर में COVID-19 के महिला रोगियों की संख्या से $30 \%$ कम थी, तो सीतापुर में COVID-19 के रोगियों की कुल संख्या कितनी थी?
Ans
$\times 1.16,872$
$\checkmark$ 2. 14,763
X 3. 19,794
$\times 4.13,536$
Q. 18 The average of four consecutive odd numbers is 8 . If the next odd number is also considered, then what will be the new

Ans

1. 9
$\times 2.7$
$\times 3.10$
$\times 4.11$
Q. 19 An article costs ₹750. It is marked up to give 30\% profit. What is the selling price if a customer gets a discount of $15 \%$ on it?
Ans
X 1. ₹758.75
2. ₹828.75

X 3. ₹ 800
$X$ 4. Same as the cost price
Q. 20 The diagonal of a rectangle is 20 cm . If its breadth is 12 cm , then what will be its length?

Ans
$\times 1.15 \mathrm{~cm}$
2. 16 cm
$\times 3.18 \mathrm{~cm}$
$\times 4.17 \mathrm{~cm}$
Q. 21 A alone can do a piece of work in 12 days. B alone can do the same work in 18 days. C alone can do the same work in 24 days. In how many days will they complete $65 \%$ of the work, if all three work together?

Ans

1. 3.6 days
$\times 2.3 .9$ days
$\times 3.4 .2$ days
$\times 4.4 .5$ days
Q. 22 Study the given bar-graph and answer the question that follows.

The bar-graph given below shows the total selling price (in ₹) and the total cost price (in ₹) of five different flowers in a flower shop on a particular day.


The number of roses, lilies and sunflowers sold from that shop on that day were 7,5 , and 10 , respectively. Find the sum of the profits earned by selling a rose, a lily and a sunflower on that day.

Ans
X 1. ₹ 120
$\times 2$ ₹ 150
X 3. ₹90
4. ₹ 100
Q. 23 Find the length of a train, if it completely crosses two bridges of lengths 600 m and 300 m in 80 seconds and 60 seconds, respectively

Ans
$\times 1.120 \mathrm{~m}$
X2. 130 m

- 3. 600 m

X4. 110 m
Q. 24

The value of $16^{2}-256^{\frac{1}{4}}+2197^{\frac{1}{3}}$ is:
Ans

1. 265
$\times 2.280$
X 3. 262
X4. 241
Q. 25 The selling price of a bulb is half of its cost price. What is the loss percentage?

Ans
X 1. $60 \%$
$\times 2.20 \%$
X 3. $40 \%$
4. $50 \%$

## Section: General Awareness

Q. 1 'Loor' is a folk dance of which state of India?

Ans 1.Haryana
X 2. Manipur
X 3. Karnataka
X 4. Kerala

## Q. 2 The Congress split took place in

$\qquad$ .
Ans $\times 1.1905$
$\times 2.1903$

- 3.1907

X4. 1908
Q. 3 Poverty line measures poverty on the basis of:

Ans $\quad \times 1$. expenditure only
$X$ 2. income level and literacy rate
$X$ 3. savings only
4. income level or consumption expenditure
Q. 4 As on Jan 2022, who among the following has been appointed as the new Chairman of ISRO?
Ans
X 1. BN Suresh
2. S Somanath

X 3. K Sivan
X 4. ASK Kumar
Q. 5 The Indian National Congress was established in $\qquad$ .
Ans
X 1.1879
X2. 1877
X 3.1875
4. 1885
Q. 6 In which of the following grounds did Yuvraj Singh hit 6 sixes in an over of a T20

International match?
Ans
X 1. Wanderers Stadium
2. Kingsmead Stadium

Х 3. Mabhida Stadium
X 4. Newlands Cricket Ground
Q. 7 Which of the following Articles of the Indian Constitution talks about joint sitting of both Houses in certain cases?

Ans
$X$ 1. Article 110
X 2. Article 128
X 3. Article 75
4. Article 108
Q. 8 'The Diary of a Young Girl' is an autobiography of:

Ans

1. Anne Frank

X 2. Agatha Christie
X 3. Michelle Obama
X 4. Jessica Simpson
Q. 9 Which feature of the Indian Constitution is borrowed from the Constitution of Britain?

Ans $\times 1$. Fundamental duties
2. Parliamentary government

X 3. Judicial review
X 4. Fundamental rights
Q. 10 Which of the given statements is correct regarding properties of suspension?
I. Suspension is a heterogeneous mixture.
II. The particles of a suspension can be seen by the naked eye.

Ans
$X$ 1. Only 1
X 2. Neither I nor II
3. Both I and II

X 4. Only II
Q. 11 Spirogyra belongs to which group of plant kingdom?

Ans
X 1. Bryophyta
$\times 2$. Angiosperms
X 3. Pteridophyta
4. Thallophyta

## Q. 12 Kamala Narayan is known for which classical dance form?

Ans 1. Bharatanatyam
$\times 2$. Kathakali
X 3. Odissi
X 4. Kathak
Q. 13 Kardang Monastery which is a Buddhist Pilgrimage is situated in which state of India?

Ans $\quad \times 1$. Jharkhand
$\times 2$. Goa
3. Himachal Pradesh

X4. Kerala
Q. 14 In February 2022, which Indian state government announced that 'Hope Express' would be launched in the state to prevent cancer?
Ans
X 1. Odisha
2. Maharashtra

X 3. Karnataka
X 4. Chhattisgarh
Q. 15 Who will co-host the ICC Men's T20 World Cup 2024?

Ans
$X 1$. Australia
$X$ 2. The United Kingdom
3. The United States of America (USA)

X 4. Sri Lanka

## Q. 16 Which of the following crops takes almost a year to grow?

Ans 1. Sugarcane
$\times 2$. Peas
$X$ 3. Cucumber
$\times 4$. Rice
Q. 17 In 1526, $\qquad$ was defeated by Babur at Panipat.
Ans $\times 1$. Sikander Lodi
X 2. Rana Lodi
X 3. Bahlul Lodi

- 4. Ibrahim Lodi
Q. 18 How many countries share land boundaries with India?

Ans

1. Seven
$X$ 2. Ten
$X$ 3. Eight
$X 4$. Five
Q. 19 Which of the following is an example of sedimentary rocks?

Ans 1. Sandstone
X 2. Granite
$\times$ 3. Slate
$\times 4$. Marble
Q. 20 Pongal is a harvest festival of which state of India?

Ans

1. Tamil Nadu

X 2. Mizoram
X 3. Rajasthan
$\times 4$. Manipur
Q. 21 Which of the following is a young fold mountain?

Ans

1. The Alps

X 2. The Appalachians
X 3. Aravalli Range
$\times$ 4. The Vosges

## Q. 22 Dharmasutras contain:

Ans $\times 1$. tricks to capture an empire
$X 2$. norms for women only
X 3. techniques to recite shlokas
4. norms for rulers

## Q. 23 With which of the following was Kadri Gopalnath associated?

Ans
X 1. Sitar
2. Saxophone

X 3. Tabla
$\times$ 4. Flute
Q. 24 Which of the following bodies publishes the Human Development Report?

Ans
$X$ 1. United Nations Food Organization
X 2. United Nations Human Resource Development
$X$ 3. World Health Organization
4. United Nations Development Programme
Q. 25 When the litmus solution is neither acidic nor basic then its colour is $\qquad$ -.
Ans

1. purple
$X$ 2. red
$X 3$. yellow
$X 4$. blue

Multi Tasking Non Technical Staff Havaldar CBIC and CBN Examination 2021

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | 08/07/2022 |
| Exam Time | 1:00 PM - 2:30 PM |
| Subject | MTS Non technical and Havaldar Examination 2021 |

## Section : General English

Q. 1 Select the most appropriate option to fill in the blank.

The Mid-Day Meal Programme has been running $\qquad$ 21 years.
Ans

1. for
$\times 2$. off
$X$ 3. since
X4. of
Q. 2 Select the option that can be used as a one-word substitute for the given group of words.

Not fit to eat
Ans
$X$ 1. Sullen
$X$ 2. Potable
3. Inedible
$\times 4$. Fragile
Q. 3 Select the option that can be used as a one-word substitute for the given group of words.

A large group of people, especially the nomadic
Ans
$X$ 1. Cavalry
X 2. Urban
3. Horde
$X$ 4. Hamlet
Q. 4 Select the correctly spelt word.

Ans $\quad \times$ 1. Innoculete
2. Inoculate

X 3. Inocculate
X 4. Innoculate

## Q. 5 Select the most appropriate meaning of the given idiom.

Water under the bridge
Ans
$X 1$. Something which happens all the time
$X 2$. Something that does not affect the past
3. Anything from the past that is not significant or important anymore

X 4. A problem which has been existing and will continue to exist in the future
Q. 6 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Rivers / has being of primary / importance throughout / human history.
Ans $\quad \times$ 1. Rivers
$X$ 2. human history
3. has being of primary
$\times 4$. importance throughout
Q. 7 Select the most appropriate meaning of the underlined idiom.

Ron added a feather in his cap by winning that international tournament.
Ans
$X 1$. To feel well and healthy
2. An achievement to be proud of
$X$ 3. To take advantage of one's position
X4. An expression of extreme annoyance
Q. 8 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

In spite of hardly work / she was not able / to pass the exam.
Ans

1. In spite of hardly work

X 2. No error
Х 3. to pass the exam
X 4. she was not able
Q. 9 Select the most appropriate option to fill in the blank.

He came back from the game, took a $\qquad$ shower and was ready for the evening.
Ans
X 1. fast
X 2. clean
X 3. heavy

- 4. quick
Q. 10 Select the option that can be used as a one-word substitute for the given group of words.

An action of making amends for a wrong or injury
Ans

- 1. Atonement

X 2. Redemption
X 3. Rite
X 4. Perjury
Q. 11 Select the most appropriate synonym of the given word.

Intervene
Ans
X 1. Embody
X 2. Combine
X 3. Coalesce

- 4. Arbitrate


## Q. 12 Select the most appropriate synonym of the given word.

## Sinister

Ans
X 1. Pertinent
$\times 2$. Saintly
X 3. Pleasant
4. Evil
Q. 13 Select the option that rectifies the incorrectly spelt words in the given sentence.

They have legitimete grounds to engagge users.
Ans
$X 1$. They have legetimate grounds to engag users.
$X$ 2. They have legitimete grounds to engaege users.
3. They have legitimate grounds to engage users.
$X 4$. They have legitamate grounds to engage users.
Q. 14 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Despite not getting approval from the leader, we decided to carry out the plan.
Ans
X 1. carry over
$X$ 2. carry away
X 3. carry off
4. No improvement required
Q. 15 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

In my experience, the press gallery are more concern to public affairs than private ones.
Ans
2 1. is more concerned with
$X$ 2. No improvement required
$X 3$. is much more concerned of
X 4. are much concern for
Q. 16 Select the most appropriate ANTONYM of the given word.

## Abate

Ans $\quad \times 1$. Moderate
X 2. Observe
3. Aggravate
$\times 4$. Decrease
Q. 17 Select the most appropriate ANTONYM of the given word.

## Obvious

Ans

1. Hidden
$X$ 2. Plain
X 3. Vapid
X4. Active
Q. 18 Select the option that can be used as a one-word substitute for the given group of words.

Animals that live in water
Ans
$X 1$. Nocturnal
$\times 2$. Aerial
X 3. Terrestrial
4. Aquatic
Q. 19 Select the most appropriate ANTONYM of the underlined word in the given sentence.

Many died in captivity and many suffered appalling brutality.
Ans
$X 1$ ferocity
$X 2$. cruelty
$X$ 3. sensuality
4. gentleness
Q. 20 Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The use of calculators is prohibited in the examination.
Ans
$X 1$. is prohibited in
2. No error
$X$ 3. The use of calculators
$X$ 4. the examination

## 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.

Endurance was the three-masted ship in (1) $\qquad$ Sir Ernest Shackleton and a (2)
of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) $\qquad$ in 1912 from
Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4) ___ bought by Shackleton in January 1914 for the expedition, which would be her first (5)

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank number 1.

Ans

1. which
$X 2$. who
$X$ 3. that
$X 4$. where

## 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.

Endurance was the three-masted ship in (1) $\qquad$ Sir Ernest Shackleton and a (2) $\qquad$ of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) $\qquad$ in 1912 from Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4)
$\qquad$ bought by Shackleton in January 1914 for the expedition, which would be her first (5)

SubQuestion No: 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans
$X 1$. watch
X 2. team
3. crew
$\times 4$. group

## 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.

Endurance was the three-masted ship in (1) $\qquad$ Sir Ernest Shackleton and a (2) $\qquad$ of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) $\qquad$ in 1912 from
Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4)
$\qquad$ bought by Shackleton in January 1914 for the expedition, which would be her first (5)

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans
$X$ 1. released
2. launched
$X$ 3. started
$X 4$. recovered

## 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.

Endurance was the three-masted ship in (1) $\qquad$ Sir Ernest Shackleton and a (2) of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) $\qquad$ in 1912 from Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4)
$\qquad$ bought by Shackleton in January 1914 for the expedition, which would be her first (5)
$\qquad$ .

SubQuestion No: 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans
$X$ 1. were
2. was
$X 3$. is
$\times 4$. are

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Endurance was the three-masted ship in (1) $\qquad$ Sir Ernest Shackleton and a (2) of 27 men sailed for the Antarctic on the 1914-1917 Imperial Trans-Antarctic Expedition. The ship, originally named Polaris, was built at Framnæs shipyard and (3) $\qquad$ in 1912 from
Sandefjord in Norway. After her commissioners could no longer pay the shipyard, the ship (4)
$\qquad$ bought by Shackleton in January 1914 for the expedition, which would be her first (5)

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. voyage
$\times 2$. route
X 3. drive
X 4. hike

## Section: General Intelligence and Reasoning

Q. 1 Select the number that can replace the question mark (?) in the following series.

42, 38, 80, 118, 198, 316,?
Ans
$\times 1.486$
$\times 2.506$

* 3.514
$\times 4.494$
Q. 2 Eight boys A, B, C, D, E, F, G and H are sitting around a square table, facing towards the centre(but not necessarily in the same order). Two boys are sitting on each side. G and $C$ are sitting on the same side. $E$ is sitting opposite to $G$ and $E$ is to the immediate right of $B$. $F$ and $H$ are sitting on the adjacent side of $G$ and $C$. F and $H$ are sitting on the same side. $H$ is fourth to the left of $B$. $D$ is not the immediate neighbour of $G$. Which of the following pairs of boys represent the boys sitting on the same side of the square table?

Ans
$\times 1$. AC
$\times 2$. HD
X 3.BD

- 4. BA
Q. 3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
TRO : QMN :: BLA : ?
Ans
$X$ 1. YHZ
X 2. XGZ
X 3. XHG

4. YGZ
Q. 4 The weight of seven boys B1, B2, B3, B4, B5, B6 and B7 are compared. The weight of no two boys is the same. The weight of B 4 is less than only three boys. The weight of B 1 is more than B 7 . The weight of B 2 is the most. B 5 and B 6 both weigh more than B 1 . The weight of $B 3$ is less than that of $B 7$.

How many boys weigh less than B1?
Ans
$\times 1.4$
$\times 2.3$
$\times 3.1$

- 4.2
Q. 5 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

Q. 6 In a certain code language, 'nu vu du' is written as 'Time and Money', 'hu du ru' is written as 'Manage Money Judiciously', and 'tu vu lu' is written as 'Save More Time'. What is the code for 'Save More Money' in that code language?

Ans
$X$ 1. du nu lu
$X$ 2. nu tu du

- 3. tu lu du

X 4. tu vu du
Q. 7 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

KING : HFKD :: FRKM : ?
Ans
X 1. CLHJ
X 2. CLHK
X 3. COHK
\& 4. COHJ
Q. 8 Select the option in which the given figure is embedded. (Rotation is not allowed)


Ans

Q. 9 In a certain code language, 'TORQ' is coded as '210', and 'HARN' is coded as '123'. How will 'PADM' be coded in that code language?
Ans
× 1.94
$\times 2.112$

- 3.102
$\times 4.86$
Q. 10 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

Q. 11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
I. No car is a bench.
II. All tables are cars.

Conclusions:
I. Some cars are tables.
II. Some cars are benches.
III. No bench is a table.

Ans
$X 1$. Only conclusion II follows
$X$ 2. All the conclusions follow
3. Only conclusions I and III follow

X 4. Only conclusions I and II follow
Q. 12 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

XJ, AG, DD, GA, ?
Ans
X 1.KX
2. JX

X 3.KY
X4.JY
Q. 13 Select the option in which the numbers are related in the same way as are the numbers in the given set.
(18, 400, 484)
Ans
X 1. $(20,400,576)$
X 2. $(14,256,400)$
X 3. $(22,400,324)$
4. $(24,676,784)$
Q. 14 Five people, J, N, P, R and S are sitting in a straight row, facing the North, but not necessarily in the same order. Only N sits between J and $\mathbf{S}$. S sits to the immediate left of P. J sits to the immediate right of R . Who sits at the second position from the left end?
Ans
$\times 1$. s
2.J

X 3.P
$\times 4 . \mathrm{R}$
Q. 15 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.

U144 : S121 :: N100 : L81 :: G64 :?
Ans

- 1. E49

X 2. G49
X 3.F36
X 4. D30
Q. 16 Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation is not allowed).


Ans

Q. 17 In a certain code language, 'MISTER' is coded as '925301','UNCLE' is coded as '84670', and 'SEN' is coded as '504'. How will 'MISTIC' be coded in that language?
Ans
X 1.936571
2. 925326

X 3.876523
$\times 4.367829$
Q. 18 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

I. All Crax are Chips.
II. All Drinks are Chips.

Conclusions:
I. Some Drinks are not Crax.
II. All Chips are Crax.

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

X 3. Both conclusions I and II follow
$X 4$. Only conclusion II follows
Q. 19 Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set.
(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)
$(46,138,414)$
Ans

1. $(38,114,342)$

X 2. $(42,126,504)$
X $3 .(52,156,624)$
$\times 4 .(56,224,896)$
Q. 20 In a certain code language, 'HAIR' is written as 'SJBI', 'POLE' is written as 'FMPQ'. How will 'MANY' be written in that language?
Ans
$X 1$. ZOBM
X 2. ZPBN
X 3. ZOCN
4. ZOBN
Q. 21 Which two numbers (not digits) and two signs need to be interchanged to make the given equation correct?
$\mathbf{2 8} \times 4+\mathbf{1 5} \div \mathbf{8} \mathbf{- 3 4 = 3 8 8}$
Ans

- $1 . \times$ and $\div 28$ and 8
$\times 2 .+$ and $\div ; 4$ and 34
X 3. - and $x ; 15$ and 28
X4. + and $x ; 15$ and 8
Q. 22 Select the figure from the options that can replace the question mark (?) and complete the pattern.


Ans
$\times 1$

$\times 2$.

$\times 3$.


- 4. 


Q. 23 After interchanging the given two signs + and - and two numbers 6 and 25 , what will be the value of the given expression?
$4-6 \div 5 \times 25+14$
Ans
$\times 1.5$
X2. 10

- 3.20
$\times 4.15$
Q. 24 Select the option that will replace the question mark (?) in the given series.

11, 16, 26, 41, 61, ?
Ans
$\times 1.76$
$\times 2.91$
フ. 86
$\times 4.81$
Q. 25 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans


Section : Numerical Aptitude
Q. 1 The length of the common chord of two circles of radii 18 cm and 16 cm is 19.2 cm . What is the distance between the centres of the two circles? [Give your answer correct to the nearest integer value.]

Ans
$\times 1.23 \mathrm{~cm}$
2. 28 cm
$\times 3.20 \mathrm{~cm}$
X 4.35 cm
Q. 2 Study the given table and answer the question that follows.

The table below shows the number of cricket bats made by five workers on six days of a particular week.

| Day <br> Worker | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | 90 | 70 | 110 | 85 | 75 | 60 |
| B | 40 | 65 | 70 | 82 | 90 | 95 |
| C | 100 | 95 | 74 | 80 | 63 | 60 |
| D | 40 | 40 | 50 | 45 | 60 | 30 |
| E | 54 | 65 | 32 | 48 | 85 | 96 |

In how many days is the number of bats made by C more than the average number of bats made by A per day?
Ans
$\times 1.3$
$\times 2.4$

- 3. 2
$\times 4.1$
Q. 3 The length and the breadth of a rectangular cardboard are 40 cm and 35 cm , respectively. If the biggest possible square is cut out from this cardboard, what is the area of the remaining part of the cardboard?

Ans

1. $175 \mathrm{~cm}^{2}$

X2. $275 \mathrm{~cm}^{2}$
X 3. $425 \mathrm{~cm}^{2}$
X4. $325 \mathrm{~cm}^{2}$
Q. 4 If the HCF of two numbers (each greater than 17) be 17 and the LCM be 561 , then find the sum of the numbers.

Ans $\times 1.387$
-2. 238
$\times 3.268$
X4. 340
Q. 5 Shubham bought a book from Meesho at ₹ 500 . Meesho also charged an additional ₹ 25 for packaging and ₹ 50 for
delivering the book. For what amount should Shubham sell his book to make a profit of $16 \%$ ?
Ans

1. ₹667

X 2. ₹612
X 3. ₹783
X4. ₹ 458
Q. 6 The average weight of 17 students of a class is 56 kg .3 new students whose weights are 57,62 and 68 kg , respectively, join the class. Find the new average weight of the students of the class.
Ans
$\times 1.56 .45 \mathrm{~kg}$
2. 56.95 kg
$\times 3.58 .05 \mathrm{~kg}$
$\times 4.57 .65 \mathrm{~kg}$
Q. 7 J can complete a work in 21 days, K can complete it in 42 days and L can complete it in 63 days. If $\mathrm{J}, \mathrm{K}$ and L work together, in how many days can they complete the work?

Ans
$\times 1.11 \frac{6}{11}$
X2. $11 \frac{3}{11}$
$\times 3.11 \frac{4}{11}$
4. $11 \frac{5}{11}$
Q. 8

If $A=\frac{3 \times 4+2}{6 \div 3+2}$ and $B=\frac{12 \div 6 \times 2}{8 \div 4-3}$, then what is the value of $A^{2}+B^{2}-2 A B$ ?
Ans
$\times 1.72 .25$
$\times 2.52 .25$
$\times 3.42 .25$

- 4. 56.25
Q. 9 If $m: n=5: 4$, then what is the value of $\left(m^{2}+n^{2}\right):\left(m^{2}-n^{2}\right)$ ?

Ans
X1. $16: 9$
$\times 2.25: 9$
X 3. $32: 5$
-4. $41: 9$
Q. 10 A sum of money is distributed among $\mathrm{A}, \mathrm{B}$ and C in the ratio $8: 4: 3$. If A divides his part between D and E in the ratio $9: 7$, then what is the ratio of the share of $C$ to that of $D$ ?

Ans $\times 1.4: 5$
$\times 2.3: 4$

- 3. $2: 3$
$\times 4.6: 7$
Q. 11 The average age of 3 girls is 24 years and their ages are in the proportion of $7: 8: 9$. What is the age of the eldest girl?

Ans
$X 1.24$ years
$\times 2.25$ years
$\times$ 3. 21 years
4. 27 years
Q. 12 Find the sum of money which must be invested at simple interest for 8 months at $6 \%$ per annum in order to earn ₹ 250 as interest.

Ans
$\times 1$ ₹ 6,550
$\times 2$. ₹ 6,225
X 3. ₹ 7,250
4. ₹ 6,250
Q. 13 The cash difference between the selling prices of an article at a profit of $8 \%$ and at a loss of $4 \%$ is ₹ 54 . Find the cost RESHERS NOW price of the article.

Ans
X 1. ₹ 720
2. ₹450

X 3. ₹540
X4. ₹480
Q. 14 A certain number of identical spheres are formed by melting a large sphere of radius 28 cm . What is the number of small spheres formed if the surface area of each small sphere is $2464 \mathrm{~cm}^{2}$ ? [Use $\pi=\frac{22}{7}$ ]

Ans
-1. 8
$\times 2.9$
$\times 3.6$
$\times 4.7$
Q. 15 The marked price of a laptop is $₹ 65,000$. The laptop is sold at a discount of $20 \%$. If a profit of $30 \%$ is made through the sale, then what is the cost price of the laptop?

Ans
X 1. ₹50,000
X 2. ₹ 45,000
X 3. ₹ 48,000

- 4. ₹ 40,000
Q. 16 The following bar chart shows the number of computers sold by a shop in 6 consecutive months.


What is the average number of computers sold per month during this period? [Round off your answer to the nearest integer value.]
Ans
$\times 1.204$
$\times 2.219$
$\times 3.212$
-4. 208
Q. 17 In a city $60 \%$ of the population are males and the rest are females. If the ratio of married males to non-married males is
$5: 7$, and the ratio of married females to non-married females is $2: 3$, then what percentage of the total population is married?

Ans

1. $41 \%$
$\times 2.59 \%$
X 3. $51 \%$
X4. $49 \%$
Q. 18 The simple interest on a sum of money invested for a period of 10 years is equal to $\frac{4}{5}$ th of the sum invested. What is the rate of simple interest per annum that is being given?

Ans
$\times 1.9 \%$
$\times 2.8 .5 \%$
X 3. $10 \%$
4. 8\%
Q. $19 \mathrm{~A}_{1}$ alone can complete a piece of work in 14 days, $\mathrm{A}_{2}$ alone can complete the same work in 21 days, while $\mathrm{A}_{3}$ alone can complete the same work in 28 days. The three worked together, completed the work, and received a total payment of $₹ 1,040$ for doing the work. What is $\mathrm{A}_{2}$ 's share in the total payment received?

Ans
X 1. ₹ 240
$\times 2$ ₹ 480

- 3. ₹ 320

X4.₹400
Q. 20 Ravi buys 5 pens at $₹ 150$ each, 2 pencils at $₹ 100$ each, and 3 notebooks at $₹ 250$ each. What is the average expenditure incurred by Ravi per article?
Ans
X 1. ₹ 180
X 2. ₹ 160
3. ₹ 170

X4.₹165
Q. 21 Points A and B are 200 km apart. A person starts from A at $10 \mathrm{a} . \mathrm{m}$. at a speed of $10 \mathrm{~km} / \mathrm{h}$ and goes towards B. Another person starts from B at 11 a.m.at a speed of $20 \mathrm{~km} / \mathrm{h}$ and goes towards A . At what time will they meet?
Ans
$X$ 1. 5:10 p.m.
X 2. 4:40 p.m.
X 3. 5:40 p.m.
4. 5:20 p.m.
Q. 22 A boat can travel in still water at $7 \mathrm{~km} / \mathrm{h}$ and the speed of the stream is $3 \mathrm{~km} / \mathrm{h}$. Find the total time (in hours) taken by the boat to travel 60 km upstream and return to the starting point.

Ans
$\times 1.20$
X2. 15
3. 21

X4. 16
Q. 23 The length of a rectangle is increased by $16 \frac{2}{3} \%$. By what approximate percentage should its breadth be decreased so that the area of the rectangle remains unchanged?

Ans
$\times 1.17 .5 \%$
2. $14.29 \%$
3. $10 \%$
4. $12.5 \%$
Q. 24 Study the given pie-chart and answer the question that follows.

The pie-chart shows the percentage-wise distribution of teachers in a district who teach six different subjects as percentages of the total number of teachers of all the subjects taken together.


What is the ratio of the number of teachers who teach English to the number of teachers who teach Chemistry?
Ans
$\times 1.3: 2$
$\times 2$ 23:18
3. $24: 23$

X4.13:20
Q. 25 Select the number that will come in place of the question mark (?) in the mathematical statement.
$(0.064)^{123} \div 0.16^{47} \times 0.4^{34} \times 0.4^{29}=(0.4)^{?}$
Ans
$\times 1.350$
$\times 2.320$
-3. 338
$\times 4.341$
Q. 1 Which schedule of the Indian Constitution has provisions related to the Union list?

Ans
X 1. Fourth schedule
X 2. Ninth schedule
2. Seventh schedule

X 4. Tenth schedule
Q. 2 Sarai Nurmahal is a centrally protected monument of India. It is situated in which state of India?

Ans
X 1. Uttar Pradesh
X 2. West Bengal
3. Punjab

X 4. Himachal Pradesh
Q. 3 Open Market Operations conducted by the Reserve Bank of India (RBI) are of types.
Ans
1.two
$X$ 2. three
$X$ 3. five
$\times 4$. four
Q. 4 Which of the following diseases is caused by the prolonged deficiency of vitamin D ?

Ans

1. Rickets
$\times$ 2. Chickenpox
X 3. Scurvy
$X$ 4. Marasmus
Q. 5 The Deccan plateau lies to the south of which of the following rivers?

FRESHERS NOW
Ans
2 1. Narmada
X 2. Krishna
X 3. Kaveri
X 4. Penna

## Q. 6 Ravikirti was a court poet of which Chalukya ruler?

Ans
X 1. Bhima II
2. Pulakeshin II

X 3. Vikramaditya II
X 4. Kirtivarman II
Q. 7 Which article of the Indian Constitution states that 'No person shall be prosecuted and punished for the same offence more than once'?
Ans
X 1 . Article 18
X 2. Article 28
3. Article 20

X 4. Article 21A
Q. 8 Which of the following events occurred as an after-effect of the Jallianwala Bagh Massacre (13th April 1919)?
Ans
$X 1$. Hunger strike to settle disputes between the mill owners and the workers
X 2. Individual princes could sign a separate agreement with the British
3. Hunter Commission was appointed by the British Government
$\times$ 4. Popularisation of Charkha and Khadi and Jail Bharo by Congress volunteers

## Q. 9 Pandit Kishan Maharaj was associated with which instrument?

Ans $\quad X$ 1. Santoor
$\times 2$. Dholak
3. Tabla

X 4. Sitar
Q. 10 What is the approximate atomic mass ( u ) of hydrogen?

Ans
$\times 1.12$
$\times 2.4$

- 3.1
$\times 4.14$

Question ID : 26433047676
Status: Answered
Chosen Option: 3
Q. 11 What is the atomic number of chromium?

Ans

- 1.24
$\times 2.18$
$\times 3.21$
$\times 4.19$
Q. 12 In which city, Prime Minister Narendra Modi launched the Ayushman Bharat Health Infrastructure Mission?

Ans
X 1. Kanpur
$X$ 2. Lucknow
X 3. Noida
4. Varanasi
Q. 13 In which year did the Mughal emperor Aurangzeb die?

Ans

- 1.1707
$\times 2.1701$
$\times 3.1705$
X4. 1703
Q. 14 $\qquad$ is the deepest landlocked and well-protected port in India.

Ans $\quad \times 1$. Kandla port
2. Vishakhapatnam port

X 3. Tuticorin port
X 4. Mumbai port
Q. 15 Radha Sridhar received the Sangeet Natak Akademi Award for the year 2018 for her contribution to which classical dance of India?
Ans
X 1. Kathak dance
X 2. Kuchipudi
X 3. Sattriya
4. Bharatanatyam
Q. 16 Who was appointed as the Chief Economic Advisor to the Government of India in January 2022?
Ans
X 1. S Ramakrishnan
X 2. Krishnamurthy Subramanian
X 3. Raghuram Rajan
4. V Anantha Nageswaran
Q. 17 Which of the following statements is correct?
I. Most of Ashoka's inscriptions were written in Brahmi script.
II. Many of Chanakya's ideas were written down in a book called the Arthashastra.

Ans
$X$ 1. Only II
$X$ 2. Only I
X 3. Neither I nor II
4. Both I and II
Q. 18 Which of the following states does the dance form 'Kalbelia' belong to?

Ans $\times 1$. Uttarakhand
X 2. Punjab
3. Rajasthan

X4. Odisha
Q. 19 In which state of India is the Yaoshang festival celebrated?

Ans
X 1. Uttar Pradesh
2. Manipur

X 3. Rajasthan
X 4. Tamil Nadu

Question ID: 26433047596
Status : Answered
Chosen Option : 2
Q. 20 As per census 2011, which of the following is the most spoken language of India?

Ans

1. Hindi

X 2. Marathi
X 3. English
>4. Telugu
Q. 21 How many players are a part of the team on the field in a game of Hockey?

Ans
$\times 1.10$
$\times 2.16$
$\times 3.12$

- 4.11
Q. 22 Which of the following bases is found in window cleaner?

Ans
Х 1. Magnesium hydroxide

- 2. Ammonium hydroxide

X 3 . Sodium hydroxide
X 4. Calcium hydroxide
Q. 23 David Warner played for which team in IPL 2022?

FRESHERS NOW
Ans $\times 1$. Sunrisers Hyderabad
$X$ 2. Royal Challengers Bangalore
3. Delhi Capitals

X 4. Punjab Kings
Q. 24 According to the 2011 Census, which of the following has the second highest sex ratio in India?
Ans
$X$ 1. Tamil Nadu
X 2. Kerala
3. Puducherry

X 4. Maharashtra
Q. 25 Who is the author of the book 'Roads to Mussoorie'?

Ans $\quad \times 1$. Kiran Desai
$X$ 2. Ashwin Sanghi
X 3. Amish Tripathi
4. Ruskin Bond

## Multi Tasking Non Technical Staff Havaldar CBIC and CBN Examination 2021

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $08 / 07 / 2022$ |
| Exam Time | 5:00 PM - 6:30 PM |
| Subject | MTS Non technical and Havaldar Examination 2021 |

## Section : General English

Q. 1 Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

The jute plant is usual harvested when it is at the flowering stage.
Ans
$X 1$. when it is
2. is usual harvested
$X 3$. at the flowering stage
$X$ 4. The jute plant
Q. 2 Select the most appropriate meaning of the underlined idiom.

My cousin's office is at a stone's throw from my house.
Ans
X 1. Near the forest
$X$ 2. In a dangerous situation
3. A short distance
$\times 4$. A long route
Q. 3 Select the option that can be used as a one-word substitute for the given group of words.

That which can be easily broken
Ans

1. Fragile
$X$ 2. Durable
X 3. Portable
$\times 4$. Stern
Q. 4 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

She say that she feels very / lonely and depressed / living in a big house.
Ans

1. She say that she feels very
2. living in a big house

X 3. No error
X 4. lonely and depressed
Q. 5 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

I am currently worked / with a newly / set up marketing company.
Ans
X 1. No error
$X 2$. set up marketing company
3. I am currently worked
$X 4$. with a newly
Q. 6 Select the most appropriate synonym of the given word.

Concede
Ans
X 1. Reject
2. Permit
$X$ 3. Deny
$X$ 4. Fascinate
Q. 7 Select the most appropriate synonym of the underlined word in the given sentence.

We need to protest against this policy.
Ans

1. resist
2. assent

X 3. validate
X 4. perk
Q. 8 Select the option that can be used as a one-word substitute for the given group of words.

Weakness and poor health
Ans
>1. Geniality
X 2. hospitality
3. Frailty

X 4. Obscurity
Q. 9 Select the option that can be used as a one-word substitute for the given group of words.

To own up to something as true
Ans

1. Confess

X 2. Suppress
X 3. Redress
X4. Assess
Q. 10 Select the correctly spelt word.

Ans
X 1. Credintial
X 2. Habichual
3. Lopsided

X4. Adventurious
Q. 11 Select the most appropriate word for the given group of words.

A person incapable of making mistakes
Ans

1. Infallible

X 2. Pure
X 3. Optimist
<4. Naive

## Q. 12 Select the most appropriate option to fill in the blank.

Danny lay on his back staring at the $\qquad$ of his room.
Ans
X 1. sealing

- 2. ceiling
$\times$ 3. seeding
X4. syringe
Q. 13 Select the option that can be used as a one-word substitute for the given group of words.

A sound that is pleasing to hear
Ans
Х 1 . Inspired
2. Melodious

X 3. Harsh
X4. Audible
Q. 14 Select the most appropriate ANTONYM of the given word.

Cowardly
Ans
X 1. Integral
X 2. Fleeting
X 3. Spineless
4. Valiant
Q. 15 Select the most appropriate ANTONYM of the underlined word in the given sentence.

I believe in having a clear and lucid conversation.
Ans

- 1. Ambiguous

X 2. Tangible
X 3. Coherent
X 4. Blazing
Q. 16 Select the most appropriate synonym of the given word.

## Deficient

Ans
X 1. Sleek
$X$ 2. Whole
2. Incomplete

X 4. Integral
Q. 17 Select the INCORRECTLY spelt word.

Ans
X 1. Admonish
2. Agravate

X 3. Assertion
X 4. Accumulate
Q. 18 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.'

The missing child was discovered in lower Maryland a few days later.
Ans
$X$ 1. little days later
X 2. a lot of days later
3. No substitution required

X 4. few day later
Q. 19 Select the most appropriate meaning of the given idiom.

Set the wheels in motion
Ans

1. To initiate a chain of events
$X$ 2. To drive very fast
$X$ 3. To end a journey
X 4. To end a discussion

## Q. 20 Select the most appropriate option to fill in the blank.

I signed this science project $\qquad$ London.

Ans $\times 1$. beneath
2. in
$X$ 3. by
$\times 4$. into

## 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.

With over 49,000 plant species (1) as of 2018, India holds (2) $\qquad$ 11.5\% of all the
flora in the world. Now, a new fossil record has (3) $\qquad$ that India is the birthplace of Asian bamboo, and they (4) $\qquad$ formed about 25 million years ago in the north-eastern (5)
$\qquad$ of the country.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank number 1.

Ans

- 1. reported

X 2. signed
X 3. assigned
X4. deserved

## 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.

With over 49,000 plant species (1) $\qquad$ as of 2018, India holds (2) $\qquad$ $11.5 \%$ of all the flora in the world. Now, a new fossil record has (3) $\qquad$ that India is the birthplace of Asian bamboo, and they (4) $\qquad$ formed about 25 million years ago in the north-eastern (5)
$\qquad$ of the country.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans
X1.on
$\times 2$. off
X 3. upon

- 4. about

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.

With over 49,000 plant species (1) $\qquad$ as of 2018, India holds (2) $\qquad$ $11.5 \%$ of all the flora in the world. Now, a new fossil record has (3) $\qquad$ that India is the birthplace of Asian bamboo, and they (4) $\qquad$ formed about 25 million years ago in the north-eastern (5)
$\qquad$ of the country.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans
$X 1$. limited
X 2. known
3. shown

X 4. arranged

## 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.

With over 49,000 plant species (1) $\qquad$ as of 2018, India holds (2) $\qquad$ $11.5 \%$ of all the flora in the world. Now, a new fossil record has (3) $\qquad$ that India is the birthplace of Asian bamboo, and they (4) $\qquad$ formed about 25 million years ago in the north-eastern (5)
$\qquad$ of the country.

## SubQuestion No: 24

Q. 24 Select the most appropriate option to fill in blank number 4.

Ans
$X 1$.was
$X 2$. has
3. were
$\times 4$. are

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

With over 49,000 plant species (1) $\qquad$ as of 2018, India holds (2) $\qquad$ 11.5\% of all the flora in the world. Now, a new fossil record has (3) $\qquad$ that India is the birthplace of Asian bamboo, and they (4) $\qquad$ formed about 25 million years ago in the north-eastern (5)
$\qquad$ of the country.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

- 1. part
2 2. beside
X 3. type
$\times 4$. bit

Section: General Intelligence and Reasoning
Q. 1 Select the figure from the given options that can replace the question mark (?) and complete the pattern.


Ans

Q. 2 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

32 : 99 :: ? : 45 :: 16 : 51
Ans $\times 1.18$
$\times 2.12$
$\times 3.10$
4. 14
Q. 3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

PM : RJ :: TF : ?
Ans
$\times 1 . \mathrm{VD}$
2. VC
$\times 3$.UD
X4.UC
Q. 4 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

KIN : MGS :: RFB : ?
Ans
$X$ 1. THE
X 2. TCG
X 3.TDH
4.TDG
Q. 5 Select the option in which the given figure is embedded (rotation is NOT allowed).


Ans

Q. 6 Which two digits need to be interchanged to make the following equation correct?
$16 \div 7 \times 2+4-3=12$
Ans
X1.2 and 4

- 2.7 and 4

X 3.16 and 2
X4.7 and 3
Q. 7 Select the number from among the given options that can replace the question mark (?) in the following series.

64, 68, 77, 93, 118, ?
Ans
$\times 1.168$
-2. 154
X 3.157
$\times 4.134$
Q. 8 In a certain code language, 'HERO' is written as 'IGSQ' and 'LOVE' is written as 'MQWG'. How will 'ROAD' be written in that language?
Ans

1. SQBF

X2. SQBE
X 3. SQCF
X4. SPBF
Q. 9 In a certain code language, 'AB CD' is coded as '10', and 'EG FA' is coded as '19'. How will 'JR LF' be coded in that language?
Ans
$\times 1.48$
$\times 2.50$

- 3.46
$\times 4.44$
Q. 10 Select the correct mirror image of the given figure when the mirror is placed at $A B$ as shown.


Ans

Q. 11 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the FRESHERS NOW following figures. How would this paper look when unfolded?


Ans

Q. 12 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

Q. 13 Eight girls X, Y, Z, U, V, W, S and T are sitting around a circular table, facing towards the centre (not necessarily in the same order). $X$ is second to the left of $U . U$ is third to the left of $\mathrm{V} . \mathrm{Z}$ is third to the right of S . S is not the immediate neighbour of V . T is third to the right of Y . Y is second to the right of S .Three out of the following four options are similar by a certain logic and form a group. Which of the following does NOT belong to that group?
Ans
X1. YS
X 2. WV
3. YZ

X 4.UX
Q. 14 In a certain code language, 'OVERT' is written as 'LEVIG' and 'MOKIN' is written as 'NLPRM'. How will 'ILICO' be written in that language?
Ans

1. RORXL

X 2. RORWL
X 3.RORXK
X 4.RORXM
Q. 15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

No forests are trees.
Some trees are short.
Conclusions:
I. Some forests are short.
II. No tree is a forest.

Ans
×1. Neither conclusion I nor II follow.
2. Only conclusion II follows.

Х 3. Both conclusions I and II follow.
(4. Only conclusion I follows.
Q. 16 In a certain code language, 'Red are sweet brown' is coded as '8 642 ', and 'Blue moon are white' is coded as '5 312 '. What is the code for 'are' in that language?
Ans

- 1.2

X2. 6
$\times 3.1$
$\times 4.4$
Q. 17 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

$\times 3$.
$2 \rightarrow \nabla$
\# 능
$\times 4 .\left[\begin{array}{l}2>\Delta \\ \frac{\circ}{9} \# \square\end{array}\right.$
Q. 18 Six boys A1, A2, A3, A4, A5 and A6 are sitting around a circular table, facing towards the centre. A4 is the third to the left of A1. A5 and A3 are neighbours of A4. A6 is to the immediate right of A5.
Who is sitting third from the left of A6?
Ans
X 1. A2
2. A3

X 3.A5
$\times 4$. A4
Q. 19 Identify the number that does NOT belong to the following series.

20, 10, 10, 15, 30, 90
Ans
$\times 1.15$
$\times 2.10$
X 3.30

- 4.90
Q. 20 Seven teachers M, N, O, P, Q, R and S take different number of tuitions. P takes more tuitions than $\mathbf{S}$. M takes more tuitions than $\mathbf{Q}$. $\mathbf{R}$ takes the second highest number of tuitions. The number of tuitions that $\mathbf{O}$ takes is less than only that of four teachers. $\mathbf{N}$ takes less tuitions than $P$ but more than $M$. Q takes the least number of tuitions. S takes the second lowest number of tuitions.
In terms of the number of tuitions taken, who is between $\mathbf{N}$ and $\mathbf{S}$ ?
Ans
X 1.R, Q
X 2. P, M
X 3. O, P

4. M, O
Q. 21 After interchanging the given two signs and two numbers, what will be the value of the
following expression?
4 and 12; $\div$ and +
$12 \times 4+3 \div 6-2$
Ans
$\times 1.30$
5. 20
$\times 3.15$
X4.25
Q. 22 Select the letter from among the given options that can replace the question mark (?) in the following series.

D, G, J, M, P, ?
Ans
X 1.R
2. S

X 3. T
$\times 4 . \mathrm{U}$
Q. 23 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)
$(2,3,25)$
$(3,4,49)$
Ans

- 1. $(4,5,81)$

X 2. $(4,5,91)$
X $3 .(4,6,110)$
>4. $(4,7,111)$
Q. 24 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.

B 2: F 6 :: K 11 : O 15 :: R 18 :?
Ans
X1.U 20
X2. V 21
X 3 .W 21
4. V 22
Q. 25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
I. Some M are P.
II. All $X$ are $M$.

Conclusions:
I. Some $P$ are $X$.
II. Some $P$ are $M$.
III. No $P$ is $X$.

Ans

1. Only conclusion II follows

X 2. Only conclusions I and III follow
X 3. Only conclusion III follows
$X 4$. None of the conclusions follow

## Section : Numerical Aptitude

Q. 1 A boat can travel 42 km in 6 hours while going upstream. If the speed of the stream is $2 \mathrm{~km} / \mathrm{h}$, then how much distance will the boat cover in 12 hours while going downstream?
Ans
X 1. 156 km
$\times 2.120 \mathrm{~km}$
3. 132 km

X4. 144 km
Q. 2 The value of $[12 \times 5-\{200-(501+247-386)\}] \div 2$ is:

Ans
$\times 1.82$
2. 111

X 3. 61
$\times 4.62$
Q. 3 The perimeter of an equilateral triangle is 36 cm . What is the area of this triangle?

Ans
$\times 1.96 \sqrt{3} \mathrm{~cm}^{2}$
2. $36 \sqrt{3} \mathrm{~cm}^{2}$

X 3. $24 \sqrt{3} \mathrm{~cm}^{2}$
X4. $27 \sqrt{3} \mathrm{~cm}^{2}$
Q. 4 A can do a work in 10 days and B can do the same work in 15 days. If they work on it together for 4 days, then the fraction of the work that is left is:
Ans
$\times 1 \frac{2}{3}$
$\times$ 2. $\frac{3}{5}$
$\times 3 . \frac{3}{4}$
-4. $\frac{1}{3}$
Q. 5 The average of 11 observations is 10 , that of the first 6 being 9 and that of the last 6 being 11 . What is the $6^{\text {th }}$ observation?
Ans
X1. 11
$\times 2.8$
$\times 3.9$

- 4.10
Q. 6 If $0.04: 0.06:: 0.06: A$, then what is the value of $A$ ?

Ans
$\times 1.0 .05$
$\times 2.0 .08$
$\times 3.0 .06$

- 4. 0.09
Q. 7 If $A=\frac{1}{2} \div \frac{1}{3} \times \frac{1}{4}+\frac{1}{5} \times \frac{1}{6}$ and $B=\frac{1}{6} \div \frac{1}{3} \times \frac{1}{5}+\frac{1}{4} \times \frac{1}{2}$, then what is the value of $(A-B)$ ?

Ans
$\times 1 . \frac{1}{5}$
-2. $\frac{11}{60}$
×3. $\frac{33}{35}$
×4. $\frac{25}{36}$
Q. 8 How much amount can a person get on a sum of $₹ 6,600$, if it is invested at $6.2 \%$ per annum for a period of 2 years 6
months on simple interest?
Ans
X 1. ₹7,222
2. ₹7,623

X 3. ₹ 7,852
X4. ₹7,546
Q. 9 P starts from A at 6 a.m. and reaches B after 8 hours. Q starts from B at 8 a.m. and reaches A after 9 hours. When they meet, what is the ratio of the distance travelled by Q to the distance travelled by P ?

Ans
$\times 1.3: 8$
X2. $6: 7$
3. 6:11

X4. 8:3
Q. 10 On an $18 \%$ discount sale, an article costs ₹ 6,560 . What is the marked price of the article?

Ans $\quad \times 1$. ₹ 8,800
X 2. ₹ 7,000
3. ₹ 8,000

X4.₹7,500
Q. 11 The diagonal of a rectangle is 12 cm long, and it is twice as long as one of the sides of the rectangle. What is the area of this rectangle?
Ans
$\times 1.25 \sqrt{3} \mathrm{~cm}^{2}$
$\times$ 2. $30 \sqrt{3} \mathrm{~cm}^{2}$
3. $36 \sqrt{3} \mathrm{~cm}^{2}$

X4. $42 \sqrt{3} \mathrm{~cm}^{2}$
Q. 124 boys or 7 girls can complete a piece of work in 18 days. How many days will 12 boys and 21 girls together take to complete this job?

Ans
-1. 3 days
$X$ 2. 4 days
$\times$ 3. 6 days
X4. 5 days
Q. 13 The number of boys in a class is $45 \%$ of the total number of students in the class. If the number of girls in the class is 33 , then what is the number of boys in the class?

Ans

1. 27

X2. 21
$\times 3.30$
$\times 4.24$
Q. 14 A solid sphere whose radius is 21 cm is melted and recast into a regular pyramid of square base. If height of the pyramid
is 66 cm , then what is the length of each side of the base of the pyramid? [Use $\pi=\frac{22}{7}$ ]
Ans
$\times 1.68 \mathrm{~cm}$
$\times 2.85 \mathrm{~cm}$
3. 42 cm
$\times 4.48 \mathrm{~cm}$
Q. 15120 apples, 240 oranges and 150 pears are packed in cartons in such a way that each carton has the same number of fruits, each carton contains only one type of fruit, and no fruit is left unpacked. What is the smallest possible number of cartons needed for the purpose?
Ans
$\times 1.50$
$\times 2.40$

- 3. 17

X4. 30
Q. 16 Two mixers and one TV cost $₹ 500$, while two TVs and one mixer cost $₹ 700$. The cost of one TV is:

Ans
X 1. ₹ 100
$\times 2$ ₹ 400

- ₹. ₹ 300

X4. ₹200
Q. 17 The following table shows the numbers of pairs of shoes of 6 different brands sold by a shop during a given week.

| Brand | Shoes |
| :--- | :--- |
| B1 | 42 |
| B2 | 58 |
| B3 | 61 |
| B4 | 49 |
| B5 | 71 |
| B6 | 49 |

The shop also sells brand B7 now. The number of pairs of shoes sold of B7 are $20 \%$ more than the average number of shoes sold of the other 6 brands. What is the number of shoes sold of B7?
Ans
$\times 1.68$
$\times 2.76$
$\times 3.72$

- 4. 66
Q. 18 The average of seven numbers is 20 . If 2 is subtracted from each number, then what will the new average be?

Ans $\times 1.22$
$\times 2.10$
$\times 3.9$
-4. 18
Q. 19 The following pie chart shows the expenditure of Ayush on various heads, including Savings, as percentages of his income.


If the expenditure of Ayush on Food is ₹ 18,000 , then what would his savings be?
Ans
X 1. ₹ 31,200
$\times 2$. ₹ 26,400
3. ₹ 27,600

X4. ₹ 33,000
Q. 20 The following bar chart shows the number of hospital beds in a state in 5 consecutive years.


The number of hospital beds in Y6 will be 20\% more than the number of such beds in Y5, and the number of hospital beds in Y7 will be $25 \%$ more than the number of such beds in Y6. What is the ratio of the number of hospital beds in Y2 to the number of hospital beds in Y7?

Ans
X1. $16: 31$
2. $8: 15$
$\times 3.2: 7$
$\times 4.4: 7$
Q. $21 \mathrm{~A}: \mathrm{B}=12: 17$ and A is $20 \%$ more than C . If B is $15 \%$ less than D , then C is what percentage of D ?

Ans
$\times 1.47 .5 \%$
2. $50 \%$
$\times 3.52 .5 \%$
$\times 4.55 \%$
Q. 22 The average weight of all the 200 employees in an office is 68.2 kg , where $\frac{2}{5}$ of the employees are ladies and the ratio of the average weight of a man to that of a woman is $7: 5$. Find the average weight of the female employees.

Ans
$\times 1.60 \mathrm{~kg}$
$\times 2.54 \mathrm{~kg}$
3. 55 kg
$\times 4.59 \mathrm{~kg}$
Q. 23 The population of a town is increasing at the rate of $10 \%$ per year. If the present population of the town is $1,00,000$, what will its population be 2 years from now?

Ans
X 1. 3,00,000

- 2. 1,21,000

X 3. $2,10,000$
$\times 4.1,20,000$
Q. 24 Raju sells an object at $20 \%$ below its cost price. If he sold it for ₹ 450 more, he would have made a profit of $25 \%$. What is the original selling price of the object?

Ans
$X 1$ ₹ 700
$\times 2$ ₹ 500
X 3. ₹900
4. ₹800
Q. 25 The ratio of the numbers of boys and girls in a school is $5: 8$. If there are 260 students in the school, then what is the difference between the numbers of girls and boys in the school?
Ans
$\times 1.50$
$\times 2.80$
$\times$ 3. 40

- 4. 60


## Section : General Awareness

## Q. 1 In which state of India is Sekrenyi Festival celebrated?

Ans

1. Nagaland

X 2. Rajasthan
X 3. Tamil Nadu
X4. Bihar
Q. 2 is an Indian sport in which a 'raider' enters the opposite team's half to tag opponents, without taking a breath.
Ans
X 1. Kho-Kho
2. Kabaddi

X 3. Mallakhamb
$\times 4$. Throwball
Q. 3 Who among the following is popularly known as 'Panchamda'?

Ans
$X$ 1. Zakir Hussain
$X$ 2. Jagjit Singh
X 3. AR Rahman
4. RD Burman
Q. 4 With respect to the seasons in India, the term 'Kaal Baisakhi' is related to which of the following states in India?
Ans

1. West Bengal

X 2. Karnataka
$X$ 3. Punjab
X 4. Kerala
Q. 5 Which of the following is the earliest form of Veda?

Ans
$X$ 1. Atharva Veda
X 2. Sama Veda
X 3. Yajur Veda
4. Rig Veda
Q. 6 Who among the following has been appointed as India's Foreign Secretary effective from 1 May 2022?
Ans 1. Vinay Mohan Kwatra
X 2. Harsh Vardhan Shringla
X 3. Subrahmanyam Jaishankar
X 4. Sujata Mehta
Q. 7 As per Census 2011, which of the following states of India has the lowest literacy rate?

Ans
$X 1$. Kerala
$X$ 2. Andhra Pradesh
X 3. Tamil Nadu
4. Bihar
Q. 8 'Mudiyettu' is a traditional folk theatre form of which Indian state?

Ans $\times 1$. Manipur
2. Kerala

X 3. Jharkhand
X 4. Assam
Q. 9 Rohini Bhate, recipient of Kalidas Samman was associated with which classical dance of India?
Ans
$X 1$. Odissi
Х 2. Manipuri
$X$ 3. Sattriya
4. Kathak
Q. 10 As announced in the Union Budget of Financial Year 2022, income from virtual digital assets will be taxed at $\qquad$ -.
Ans
X $1.2 \%$
X 2. 25\%
X 3.35\%
4. $3 \%$
Q. 11 Vinod talks about the only planet with liquid water on the surface. Which of the following planets is he talking about?
Ans

1. Earth
$X 2$. Venus
X 3. Mars
X 4. Saturn
Q. 12 Which of the following cell organelles functions both as a passageway for intracellular transport and as a manufacturing surface?

Ans
X 1. Golgi Apparatus
X 2. Lysosome
X 3. Mitochondria

- 4. Endoplasmic Reticulum
Q. 13 Which of the following is a famous example of a temple built in complete Dravidian style?
Ans
X 1. Konark Sun temple, Konark
X 2. Kandariya Mahadeo temple at Khajuraho
X 3. Kamakhya temple at Guwahati

4. Kailasa temple at Ellora
Q. 14 Who among the following began the Suddhi Movement, which enabled the Hindus who had accepted Islam or Christianity to return to Hinduism, their original faith?
Ans
X 1. Ramakrishna Paramhamsa
X 2. Keshab Chandra Sen
X 3. Narendra Nath Dutta
5. Dayanand Saraswati
Q. 15 Which of the following is NOT a part of the Preamble of India?

Ans
X 1. Liberty
$X$ 2. Equality
3. Aristocracy
$X$ 4. Justice
Q. 16 Who among the following was the first Muslim woman ruler of medieval India from

1236 to 1240 AD?
Ans 1. Razia Sultana
X 2. Sultana Chand Bibi
X 3. Rani Mangammal
$X$ 4. Begum Samru
Q. 17 New Zealand defeated India in the finals of the inaugural World Test Championship in June 2021. Which country hosted this match?
Ans
$\times 1$. South Africa
2. England

X 3. Australia
X 4. New Zealand
Q. 18 What was the former name of the Yamuna Expressway Project constructed in Uttar Pradesh, India?
Ans
X 1. Purvanchal Expressway
2. Taj Expressway

X 3. Noida-Agra Expressway
X 4. Kennedy Expressway
Q. 19 'Straight from the Heart' is the autobiography of which of the following famous personalities?
Ans
X 1. Sachin Tendulkar
X 2. Rahul Dravid
3. Kapil Dev

X 4. Sunil Gavaskar
Q. 20 Which of the following is the correct chemical formula of sodium aluminate?

Ans

1. $\mathrm{NaAlO}_{2}$

X 2. $\mathrm{Na}_{3} \mathrm{AlO}$
$X 3 . \mathrm{NaAlO}_{3}$
$\times 4 . \mathrm{Na}_{2} \mathrm{AlO}_{3}$
Q. 21 How many laws were repealed under the Farm Laws Repeal Bill, 2021?

Ans
X 1. Two
2. Three
$X$ 3. Four
$\times 4$. One
Q. 22 The movement of people across regions and territories is called $\qquad$ .
Ans $\quad \times 1$. Depopulation
2. migration
$\times 3$. mortality
4. demographic transition
Q. 23 Which of the following statements is correct?
I. Robert Clive had come to Madras from England in 1743 at the age of 18.
II. After the battle of Buxar, the East India Company appointed Residents in Indian states.
Ans
X 1 . Only I
X 2. Neither I nor II
X 3. Only II
4. Both I and II
Q. 24 Which of the following statements is correct regarding 'Arthropoda'?
I. These animals are bilaterally symmetrical.
II. They have jointed legs.

Ans

1. Both I and II

X 2. Neither I nor II
X 3. Only II
X 4. Only I
Q. 25 Article 280 of the Constitution of India talks about which constitutional body?

Ans
$X$ 1. Goods and Service Tax Council
$\times 2$. Election commission of India
X 3. Attorney General of India
4. Finance commission


[^0]:    Section : General Intelligence and Reasoning

