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# **AGNIVEER VAYU**

**Memory Based Paper  
Other than Science  
(Group Y) 25 July 2022  
(All Shifts)**



## 50 Questions

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**Que. 1** Select the most appropriate synonym of the following given word:

Abhorrent

1. Innocuous
2. Inoffensive
3. Attractive
4. Awful

Correct Option - 4

**Que. 2** Out of the given four words only one is spelled correctly. Find the word that is correctly spelled.

1. Democratic
2. Suferred
3. Weaher
4. Horrible

Correct Option - 1

**Que. 3** Direction: Select the segment of the sentence that contains the grammatical error. If there is no error, mark 'No error' as your answer.

Hardly had he completed (A)/ his homework than the (B)/ lights went out. (C)/ No error (D)

1. A
2. B
3. C
4. D

Correct Option - 2

**Que. 4** Identify the word that is opposite in meaning of the word 'INADVERTENT'.

1. adequate
2. available
3. intentional
4. negligent

Correct Option - 3

**Que. 5** Direction: Choose the appropriate word for the given sentence:

Your brother will be failed \_\_\_\_\_ he does not come tomorrow.

1. if
2. though
3. unless
4. until

Correct Option - 1

**Direction: In the following question out of the four alternatives, choose the one which can be a substitute for the given word/sentence.**

One who eats everything

1. Omnivorous
2. Omniscient
3. Irresistible
4. Insolvent

Correct Option - 1

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**Que. 7 Select the most appropriate synonym for the given word.**

Fury

1. Crime
2. Sin
3. Anger
4. Risk

Correct Option - 3

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**Que. 8 Select the most appropriate meaning of the given idiom.**

Draw the line at something

1. Coming to a conclusion
2. Making pencil sketches
3. Accept something up to a particular point
4. Agreeing to an idea

Correct Option - 3

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**Que. 9 Give one word for 'one who hates women'.**

1. Misanthrope
2. Misogynist
3. Feminist
4. Effeminate

Correct Option - 2

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**Que. 10 Directions: Choose the appropriate preposition for the given sentence:**

His path was beset \_\_\_\_\_ difficulties.

1. with
2. within
3. among
4. by

Correct Option - 1

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**Que. 11 What is the antonym of the word given below?**

Initiate

1. Start
2. Begin
3. Commence

4. Finish

Correct Option - 4

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**Que. 12** Select the correctly spelt word.

1. Attendance
2. Attendence
3. Attandence
4. Attendance

Correct Option - 1

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**Que. 13** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any.

(1)How much boys/(2) were present/(3) in the assembly./**(4) No Error**

1. 1
2. 2
3. 3
4. 4

Correct Option - 1

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**Que. 14** Identify the segment in the sentence which contains the grammatical error.

We went for swimming into the river on Sunday.

1. We went for swimming
2. into the
3. river on
4. Sunday

Correct Option - 2

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**Que. 15** Direction: In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select "No improvement".

No sooner Riya reached the station than she met her friend.

1. Did Riya reached
2. Did Riya reach
3. Riya did reached
4. No improvement

Correct Option - 2

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**Que. 16** Direction: Change the Narration-

"What are you doing?" He said to me

1. He asked me what I was doing.
2. He asked me what I were doing.
3. He asked me that what I was doing.
4. He asked me what he was doing.

Correct Option - 1

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**Que. 17** The abstract noun of 'patient' is \_\_\_\_\_.

- 1. Illness
- 2. Patience
- 3. Disease
- 4. Sickness

Correct Option - 2

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**Que. 18** People in the villages of Rajasthan lead a very simple life. Their way of living has not changed over the years. They live in circular huts. The walls of these huts are covered with cowdung. Every hut has a small place for worship. The life of these people is full of difficulties. It is very hot in summers and cold in winters. Water is a major problem. Sometimes they have to walk a long distance to get drinking water. For their agriculture they depend on rains. But these people are very brave. They have learnt to face difficulties and they never lose hope. They also like to enjoy their life. Women like to wear dresses full of bright colours. People living in villages in Rajasthan have a rich tradition of music and dance. The people of Rajasthan are very proud of their culture.

Which of the following is an adjective formed from the noun 'music'?

- 1. musician
- 2. musical
- 3. musically
- 4. musicality

Correct Option - 2

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**Que. 19** Which of the following word is a synonym for 'brave'?

- 1. hardworking
- 2. valiant
- 3. prosperous
- 4. enthusiastic

Correct Option - 2

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**Que. 20** 'The way of living' can be replaced with the word

- 1. livelihood
- 2. liveliness
- 3. lifelike
- 4. lifestyle

Correct Option - 4

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**Que. 21** \_\_\_\_\_, built in the 11th century, is dedicated to Lord Shiva and is considered as the largest temple of the city Bhubaneswar (Odisha).

- 1. Lingaraj Temple
- 2. Sun Temple
- 3. Badrinath Temple
- 4. Brihadeeswara Temple

Correct Option - 1

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**Que. 22** Which city is scheduled to host the Summer Olympic Games 2024?

- 1. Paris

2. Tokyo
3. Los Angles
4. Beijing

Correct Option - 1

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**Que. 23** Who among the following is the winner of the US Open 2021 Men's Singles Final?

1. Novak Djokovic
2. Daniil Medvedev
3. Rafael Nadal
4. Roger Federer

Correct Option - 2

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**Que. 24** When is the Indian Air Force day celebrated?

1. 4 december
2. 8 October
3. 15 January
4. 26 July

Correct Option - 2

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**Que. 25** When the posts of both the President and the Vice President are vacant who among the following officiates as President?

1. The Prime Minister
2. The Speaker of Lok Sabha
3. The Chief Justice of Supreme Court
4. The Lt. Governor of Delhi

Correct Option - 3

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**Que. 26** Who came to India during the time of Chandragupta Maurya?

1. Faxian (Fa Hien)
2. Xuanzang (Hiuen Tsang)
3. Megasthenes
4. Strabo

Correct Option - 3

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**Que. 27** Full form of CNG is \_\_\_\_\_.

1. Combined Natural Gas
2. Compressed Natural Gas
3. Clean Natural Gas
4. Carbon Natural Gas

Correct Option - 2

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**Que. 28** The value of  $(256)^{0.16} \times (256)^{0.09}$  is

1. 5
2. 16

3. 4
4. 25

Correct Option - 3

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**Que. 29** If Anuj walks at the speed of 4 km/hr, then he reaches his school 6 minutes late but if he walks at the speed of 5 km/hr, then he reaches 6 minutes before the scheduled time. What is the distance (in km) of his school from his house?

1. 4
2. 3
3. 6
4. 3.5

Correct Option - 1

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**Que. 30** If  $\sin^4 x + \sin^2 x = 1$  then what is the value of  $\cot^4 x + \cot^2 x$  ?

1. -2
2. -1
3. 2
4. 1

Correct Option - 4

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**Que. 31** 1 litre of water is added to 5 litres of alcohol-water solution which is containing 40% alcohol strength. The strength of alcohol in the new solution will be

1. 30%
2. 33%
3.  $33\frac{1}{3}\%$
4.  $33\frac{2}{3}\%$

Correct Option - 3

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**Que. 32** The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq cm. What is the length of the rectangle?

1. 18 cm
2. 16 cm
3. 40 cm
4. 20 cm

Correct Option - 3

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**Que. 33** Three cubes of sides 1 cm, 6 cm and 8 cm are melted to form a new cube. Find half of the surface area of the new cube?

1.  $293 \text{ cm}^2$
2.  $463 \text{ cm}^2$
3.  $486 \text{ cm}^2$
4.  $243 \text{ cm}^2$

Correct Option - 4

**Que. 34** What can be the probability of drawing an two ace from a deck of cards?

1.  $\frac{12}{13}$
2.  $\frac{15}{26}$
3.  $\frac{9}{13}$
4.  $\frac{1}{221}$

Correct Option - 4

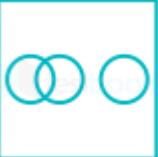
**Que. 35** A ladder leaning against a wall makes an angle of  $60^\circ$  with the horizontal. If the foot of the ladder is 2.5 m away from the wall, find the length of the ladder.

1.  $5\sqrt{3}$  m
2. 5 m
3. 3 m
4.  $3\sqrt{3}$  m

Correct Option - 2

**Que. 36** Select the Venn diagram that best represents the relationship between the following set of classes.

Taller, Black hair people and Indians

1. 
2. 
3. 
4. 

Correct Option - 2

**Que. 37** The angle (in degrees) between the hands of a clock at 8:15 is

1. 125.5
2. 170.5
3. 157.5
4. 150.5

Correct Option - 3

**Que. 38** Select the Venn diagram that best represents the relationship between the following.

Mother, Father and Engineer

1. 
2. 
3. 
4. 

Correct Option - 4

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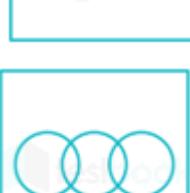
**Que. 39** Find how many meaningful word can be form, from the 1st, 4th, 9th and 10th letter of a word "CORRUPTION".

1. One
2. Two
3. Three
4. None

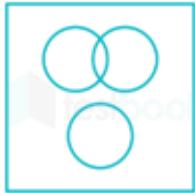
Correct Option - 1

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**Que. 40** Select the Venn diagram that best represents the relationship between the following classes.  
Women, Mother, Doctor

1. 
2. 
3. 

4.



Correct Option - 2

**Que. 41** If FOSTER = 36, DANCE = 25, then ORCHARD = ?

1. 50
2. 64
3. 49
4. 67

Correct Option - 3

**Que. 42** Select the number that can replace the question mark (?) in the following series.

423, 407, 439, 391, 455, ?

1. 373
2. 375
3. 374
4. 407

Correct Option - 2

**Que. 43** Choose the correct alternative for the following:

Light : Blind :: Noise : ?

1. Unsighted
2. Dumb
3. Deaf
4. Aphonic

Correct Option - 3

**Que. 44** Select the number that can replace the question mark (?) in the following series.

1, 2, 6, 15, 31, 56, ?

1. 92
2. 148
3. 90
4. 93

Correct Option - 1

**Que. 45** If + means  $\times$  ,  $\times$  means  $-$  ,  $-$  means  $\div$  , and  $\div$  means  $+$  , then what will be the value of the given expression?

$37 + 73 - 23 \div 32 \times 29 = ?$

1. 89.16
2. 78.84
3. 0.09
4. 120.43

Correct Option - 4

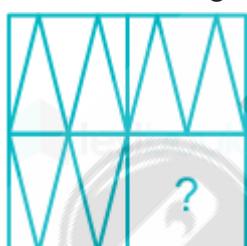
**Que. 46** Select the figure from among the given options that can replace the question mark (?) in the following series.



- 1.
- 2.
- 3.
- 4.

Correct Option - 4

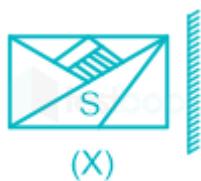
**Que. 47** Which answer figure will complete the pattern in the following question figure?



- 1.
- 2.
- 3.
- 4.

Correct Option - 1

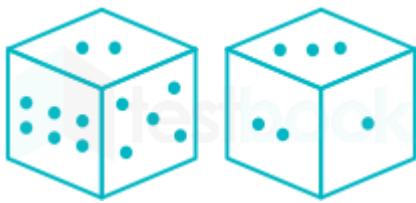
**Que. 48** Select the correct mirror image of figure (X) when the mirror is placed at the right side of the figure.



- 1.
- 2.
- 3.
- 4.

Correct Option - 1

**Que. 49** Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6 dots. Find the number on the face opposite to the one having 2 dots.



- 1.
- 2.
- 3.
- 4.

Correct Option - 3

**Que. 50** Speaking to Imran, Salim said, "You are the Son of my only son-in-law. How is Salim's wife related to Imran?

1. Salim's wife is paternal grandmother of Imran
2. Salim's wife is mother of Imran.
3. Salim's wife is maternal grandmother of Imran
4. Salim's wife is aunt of Imran.

Correct Option - 3