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**Memory Based Paper
14 Oct 2023 Shift 1**



50 Questions

Que. 1 Select the most appropriate synonym of the given word.

Eternal

1. Perpetual
2. Repetition
3. Prolonged
4. Look

Correct Option - 1

Que. 2 What is the antonym of the given word?

Gentle

1. Mild
2. Tender
3. Harsh
4. Merciful

Correct Option - 3

Que. 3 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

In black and white

1. In writing
2. In trouble
3. In suspense
4. In brief

Correct Option - 1

Que. 4 Find the word which is correctly spelt from the given options.

1. Exemplary
2. Indifference
3. Heirarchy
4. Feudel

Correct Option - 1

Que. 5 Which of the following words is correctly spelled?

1. Embrace
2. Embrace
3. Imbrace
4. Embrace

Correct Option - 4

Que. 6 What is the verb form of the given noun?

Expansion

1. Expandable
2. Expanding
3. Expand
4. Expansionist

Correct Option - 3

Que. 7 Convert the given sentence into Indirect speech.

Sunil said, "Where is Sunita?"

1. Sunil asked where Sunita had been
2. Sunil asked where Sunita is
3. Sunil asked where Sunita was.
4. Sunil said that where is Sunita.

Correct Option - 3

Que. 8 Transform the following sentence from active voice to passive voice:

Someone is following us

1. We are being followed by someone
2. Someone has been followed by us
3. We were followed by someone.
4. Someone are followed by us.

Correct Option - 1

Que. 9 Fill in the blank with correct option:

It _____ if you had not caught it.

1. will break
2. was breaking
3. would have broken
4. would break

Correct Option - 3

Que. 10 Choose the correct conjunction to fill in the blank:

Do you want tea _____ coffee?

1. or
2. and
3. yet
4. but

Correct Option - 1

Que. 11 Choose the correct verb for the blank.

Look there! the robbers _____ away.

1. run
2. have been running
3. are running
4. ran

Correct Option - 3

Que. 12 Improve the underlined part. If no improvement is required, mark your answer as 'No improvement'.

When I get home, my children would be playing.

1. are playing
2. were playing
3. will have been playing
4. No improvement

Correct Option - 3

Que. 13 In the given sentence, identify the segment which contains the grammatical error

Many a man have realized that real happiness lies in making sacrifices.

1. Many a man
2. have realized that
3. real happiness lies
4. in making sacrifices.

Correct Option - 2

Que. 14 Select the option that can be used as a one-word substitute for the given group of words.

An incidence causing damage or suffering

1. Apostrophe
2. Philanthropy
3. Catastrophe
4. Commencement

Correct Option - 3

Que. 15 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

P. The need of the hour is to protect and preserve the environment and the ecological balance.
Q. This menace can be fought against only by creating awareness among the people.
R. Rapid deforestation has been the main cause of environmental degradation.
S. Degradation of the environment continues unabated.

1. SPQR
2. PQRS
3. QRPS
4. QPSR

Correct Option - 1

Que. 16 Read the following information carefully and answer the given questions.

Octopuses are famous for their alien-like abilities, from regrowing damaged arms to changing their skin colour and texture. They use this colour-shifting power to camouflage and, interestingly, as a strange visual language to talk to other octopuses.

A little known fact is they actually belong to a category of animals (phylum) called Mollusca, which is largely made up of snails. Yep, octopuses are like souped-up snails who lost their shells and grew a rather large brain. The greatest thing about them is their intelligence, which evolved completely independently from our own.

Let's consider their nervous system. Like us, octopus have large brains compared to their body size - easily the biggest of all invertebrates (animals without a backbone) and of comparable size to many vertebrates, such as frogs.

It is, however, hard to compare brain size between marine animals and land animals, because the laws of physics differ in water and air. Animals are weightless in water but on land body shape and size is limited by gravity. An octopus brain is made up of about 500 million brain cells (neurons). This is seven times more than a mouse and about the same as a marmoset monkey. Humans, on the other hand, have 86 billion brain cells.

Testing octopus intelligence can be a problem, because the animals frequently outsmart scientists. For example, scientists can struggle to get an octopus to solve a maze, because they often climb out and crawl over the top to reach their food reward. And that's assuming they haven't already escaped from their aquarium home and are crawling around the lab.

Unlike us though, octopuses don't live for very long. The giant Pacific octopus might live up to five years, but most live for just a year and some as little as six months. They hatch from eggs fully formed and ready to go. They never see their parents and have to learn everything on their own.

Why testing octopus intelligence can be a problem?

1. Because they can outsmart scientists.
2. Because of their body shape and size.

3. As they have so many legs.
4. Because they have a very large brain.

Correct Option - 1

Que. 17 A marmoset monkey has _____ brain cells.

1. 86 billion
2. less than 86 million
3. 78 million
4. about 500 million

Correct Option - 4

Que. 18 Identify the correct statement from the following.

- I. Octopuses belong to a category of animals called Mollusca.
- II. It is hard to compare brain size between marine animals and land animals.
- III. Vertebrates are animals without a backbone.

1. I and II
2. I, II and III
3. Only III
4. II and III

Correct Option - 1

Que. 19 What is the synonym of the word-'strange' as used in the passage?

1. Conventional
2. Vulnerable
3. Peculiar
4. Deify

Correct Option - 3

Que. 20 What can be an appropriate conclusion for the given passage?

1. Octopuses have big brains and are crazy-smart.
2. Octopuses change their behavior depending on the environment.
3. Octopuses are alike humans in many ways.
4. Octopuses don't live for very long.

Correct Option - 1

Que. 21 Select the number that will come next in the following series.

2, 3, 6, 7, 14, 15, ?

1. 28
2. 32
3. 36
4. 30

Correct Option - 4

Que. 22 Arrange the following words in a logical and meaningful order.

1. Pupa

2. Death

3. Larva

4. Butterfly

5. Egg

1. 3, 1, 2, 4, 5

2. 3, 1, 4, 2, 5

3. 5, 3, 1, 2, 4

4. 5, 3, 1, 4, 2

Correct Option - 4

Que. 23 Town S is 30 km to the North of Town T. Town U is 28 km to the East of Town T. Town V is 22 km to the West of Town S. If Sharman starts from Town V and goes to Town U, in which direction is he from the starting point?

1. South-East

2. South-West

3. North-West

4. North-East

Correct Option - 1

Que. 24 Six girls Mansi, Shweta, Monika, Payal, Aarti and Kajal are sitting around a circular table facing towards the centre (not necessarily in the same order). Kajal is to immediate left of Mansi. Shweta is third to the left of Mansi. Payal is second to the right of Kajal. Monika is not second to the left of Mansi. Who is fourth to the right of Aarti?

1. Shweta
2. Kajal
3. Payal
4. Monika

Correct Option - 4

Que. 25 If the first half of the English alphabet series is reversed, which of the following will be the twelfth to the right of the seventh letter from the left end?

1. P
2. O
3. S
4. N

Correct Option - 3

Que. 26 In a certain code language ATTACK is written as ZGRCXP, then what is the code for BRANCH in same code language?

1. SXYYI
2. YYISX
3. YYIXS
4. YIYPXS

Correct Option - 4

Que. 27 At 8:30, the hour hand and the minute hand of a clock form an angle of

1. 80°
2. 75°
3. 70°
4. 60°

Correct Option - 2

Que. 28 Amongst six friends Uday, Vikrant, William, Xena, Yasir and Ziya, each has a different height. Vikrant is taller than only three other friends. Ziya is only taller than Xena and William is only shorter than Uday. Given that no two friends have the same height, find who is the third shortest among all the friends?

1. Uday
2. Ziya
3. Yasir
4. William

Correct Option - 3

Que. 29 Which diagram depicts relationship between Nitrogen, Ice, Air?

- 1.



2.

3.

4.

Correct Option - 4

Que. 30 Select the figure from the given options that can replace the question mark (?) in the following series.



1.

2.

3.

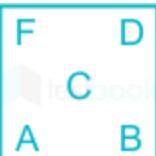
4.

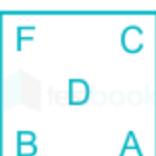
Correct Option - 2

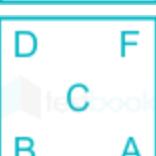
Que. 31 select the figure from the given options that can replace the question mark (?) in the following series.



1. 

2. 

3. 

4. 

Correct Option - 1

Que. 32



The next figure is

1. 

2. 

3. 

4. 

Correct Option - 1

Que. 33

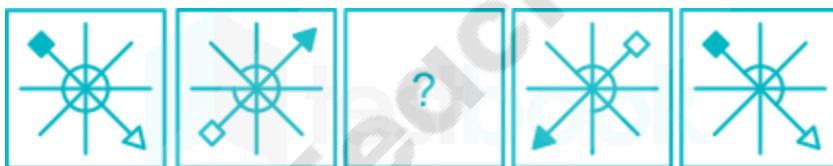
Select the figure from the given options that can replace the question mark (?) in the following series.



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

Correct Option - 1

Que. 34 Select the figure from the given options that can replace the question mark (?) in the following series.



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

Correct Option - 3

Que. 35 In question select the related word from given alternatives.

Bangladesh : Dhaka :: Germany : ?

1. Paris
2. Berlin
3. Baghdad
4. Rome

Correct Option - 2

Que. 36 If, $\frac{50}{x} = \frac{x}{\frac{25}{2}}$, then the value of x is ?

1. $\frac{25}{2}$
2. $\frac{4}{25}$
3. 4
4. 25

Correct Option - 4

Que. 37 Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present?

1. 16 years
2. 18 years
3. 20 years
4. can't determine

Correct Option - 1

Que. 38 A student got 15% marks and failed by 95 marks. If he scores 35% marks then he gets 5 marks more than the passing marks. Find the passing marks.

1. 175
2. 150
3. 170
4. 160

Correct Option - 3

Que. 39 A person takes $3\frac{1}{2}$ hours to cover a distance of 140 km. If he decreased his speed by 5 km/h, then what is the increase in time taken by him (in minutes) to cover the same distance ?

1. 18

2. 20
3. 30
4. 45

Correct Option - 3

Que. 40 The L.C.M. of $\frac{2}{4}$, $\frac{5}{6}$, $\frac{10}{8}$ is:

1. $\frac{1}{5}$
2. $\frac{5}{4}$
3. $\frac{4}{5}$
4. $\frac{5}{2}$

Correct Option - 4

Que. 41 The average of the first 43 natural numbers is:

1. 33
2. 44
3. 43
4. 22

Correct Option - 4

Que. 42 If $\sin \theta = \frac{5}{13}$, then what is the value of $\frac{\cos^2 \theta - \sin^2 \theta}{2 \cos \theta \cdot \sin \theta}$?

1. 115/126
2. 113/120
3. 117/136
4. 119/120

Correct Option - 4

Que. 43 Which of the following player has received the Major Dhyan Chand Khel Ratna Award 2022?

1. Manika Batra
2. Sathiyan Gnanasekaran
3. Harmeet Desai
4. Sharath Kamal Achanta

Correct Option - 4

Que. 44 When was the MGNREGA Scheme passed?

1. 2005

2. 2008
3. 2006
4. 2007

Correct Option - 1

Que. 45 Pradhan Mantri Fasal Bima Yojna was launched in the year:

1. 2013
2. 2014
3. 2016
4. 2017

Correct Option - 3

Que. 46 Why did Gandhiji start the Champaran Satyagraha?

1. To increase the wages of the textile mill workers
2. To reduce the taxes given by the farmers
3. To protest against British exploitation of the Indigo farmers
4. None of the above

Correct Option - 3

Que. 47 Why does a black board appears black in colour?

1. It reflects black colour
2. It absorbs black colour
3. It reflects all colours
4. It absorbs all the colours

Correct Option - 4

Que. 48 The lowest layer of atmosphere is called

1. Thermosphere
2. Troposphere
3. Mesosphere
4. Ionosphere

Correct Option - 2

Que. 49 What is the process of transferring files from internet to computer memory called?

1. Uploading
2. Downloading
3. Bookmarking

4. Hyperlinking

Correct Option - 2

Que. 50 The length breadth and height of a cuboid are in the ratio 4: 3: 2. If the volume of the cuboid is 1536 cm³, then what will be the total surface area of the cuboid?

1. 868 cm²
2. 416 cm²
3. 624 cm²
4. 832 cm²

Correct Option - 4

