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**Memory Based Paper
24 May, 2025 Shift 3**



50 Questions

Que. 1 6 hours is what percent of a day?

1. 30%
2. 40%
3. 25%
4. 45%

Correct Option - 3

Que. 2 Simplify the following expression:

$$\frac{2}{3} + \frac{4}{9} \div \left(\frac{7}{2} - \frac{5}{6} \right) = ?$$

1. $\frac{11}{12}$
2. $\frac{5}{6}$
3. 1
4. $\frac{7}{6}$

Correct Option - 2

Que. 3 If $a - b = 1$ and $a^2 - b^2 = 5$, then find the value of $a + b$.

1. 2
2. 3
3. 4
4. 5

Correct Option - 4

Que. 4 If 12 is added to twice of a number, then the result is 38 less than seven times of that number. Find the square of this number.

1. $289/4$
2. $169/4$
3. 81
4. 100

Correct Option - 4

Que. 5 If seven persons can build a house in 30 days, how long will it take three persons to build the same house, provided that they all work at the same rate?

1. 100 days

2. 70 days
3. 30 days
4. 210 days

Correct Option - 2

Que. 6 The square of the diagonal of a cube is 2175 cm^2 . What is the total surface area (in cm^2) of the cube?

1. 4350
2. 4305
3. 4530
4. 4272

Correct Option - 1

Que. 7 The average present age of four members of a family is 27 years and average increases by 3 years when one of their relatives joins them. The age of the relative is:

1. 40 years
2. 42 years
3. 46 years
4. 44 years

Correct Option - 2

Que. 8 The cost of 2 apples and 4 oranges is Rs. 28 and the cost of 5 apples and 3 oranges is Rs. 35. Then, find the cost of an orange?

1. Rs. 4
2. Rs. 5
3. Rs. 6
4. Rs. 3

Correct Option - 2

Que. 9 Aman can do $1/4$ of a work in 12 days. Sashi is three times efficient than Aman. In how many days will Sashi finish the job?

1. 16 days
2. 14 days
3. 12 days
4. 18 days

Correct Option - 1

Que. 10 A 1.5 kg cake is divided equally among 10 boys. How much cake will each boy get?

1. 1500 g
2. 10 g
3. 150 g
4. 15 g

Correct Option - 3

Que. 11 A sum of ₹12,500 amounts to ₹15,500 in 4 years at the rate of simple interest. What is the rate of interest?

1. 3%
2. 4%
3. 5%
4. 6%

Correct Option - 4

Que. 12 Four angles of a quadrilateral are in the ratio $6 : 3 : 4 : 7$. The sum of the smallest and largest angles of a quadrilateral will be:

1. 160°
2. 180°
3. 100°
4. 120°

Correct Option - 2

Que. 13 If $6\tan^2 \alpha - 2 = 0$, ($0 < \alpha < 90^\circ$), then the value of α is:

1. 75°
2. 15°
3. 45°
4. 30°

Correct Option - 4

Que. 14 A particle is travelling with a constant speed. This means-

1. Its acceleration is zero
2. It covers equal distance in equal interval of time
3. Its position remains constant as time passes
4. It does not change its direction of motion

Correct Option - 2

Que. 15 Combustion takes place:

1. In the absence of oxygen
2. In the presence of nitrogen
3. In the presence of oxygen
4. None of these

Correct Option - 3

Que. 16 Which of the following is incorrectly matched?

1. Ant sting - methanoic acid
2. Citrus - citric acid
3. Curd - lactic acid
4. Tomato - tartaric acid

Correct Option - 4

Que. 17 A ball of dough is rolled into a flat chapatti. Name the force exerted to change the shape of the dough-

1. Centripetal force
2. Centrifugal force
3. Elastic force
4. Muscular force

Correct Option - 4

Que. 18 Which of the following is not a reversible change?

1. The changing of water into steam
2. The melting of iron
3. The freezing of water
4. The burning of kerosene

Correct Option - 4

Que. 19 When two atoms combine to form a molecules-

1. Energy is released
2. Energy is neither released nor absorbed
3. Energy is absorbed
4. Energy may either released or absorbed

Correct Option - 1

Que. 20 If we mix lights of the colours of the rainbow, we will get-

1. Brown light
2. Pink light

3. Colourless light
4. Black light

Correct Option - 3

Que. 21 The heater element in an electric iron is made of:

1. Nichrome
2. Tungsten
3. Copper
4. Iron

Correct Option - 1

Que. 22 Lack of _____ causes diabetes.

1. Sugar
2. Insulin
3. Calcium
4. Vitamins

Correct Option - 2

Que. 23 The enzyme used in the conversion of fructose into ethanol is:

1. Zymase
2. Invertase
3. Diastase
4. Fructose

Correct Option - 1

Que. 24 The SI unit of electric charge is _____

1. Volts (V)
2. Ampere (A)
3. Coulomb
4. Tesla (T)

Correct Option - 3

Que. 25 The Method of preserving food by adding salt is called-

1. Salting
2. Freezing
3. Dehydration
4. Canning

Correct Option - 1

Que. 26 What is the capital of Portugal?

1. Lisbon
2. Madrid
3. Copenhagen
4. Paris

Correct Option - 1

Que. 27 Who runs the government at the national level under the parliamentary system?

1. The President and Council of Ministers
2. The Prime Minister and Council of Ministers
3. The Prime Minister
4. The President

Correct Option - 2

Que. 28 Who was sworn in as the first woman president of Namibia?

1. Saara Kuugongelwa-Amadhila
2. Netumbo Nandi-Ndaitwah
3. Ellen Johnson Sirleaf
4. Joyce Banda

Correct Option - 2

Que. 29 What is SARAS?

1. Submarine
2. Aircraft
3. Testing Machine
4. Cyclone

Correct Option - 2

Que. 30 Aurangzeb sent Mukarrab Khan against

1. Shaji Bhonsle
2. Chhatrapati Shivaji
3. Chhatrapati Sambhaji
4. Rajaram

Correct Option - 3

Que. 31 What does Ashoka's wheel represent in the National Flag?

1. Wheel of Time
2. Wheel of Peace
3. Wheel of Law
4. Wheel of Authority

Correct Option - 3

Que. 32 Who among the following is known as Tota-e-Hind?

1. Amir Khushro
2. Mohammad Bin Tuglak
3. Malik Mohammad Jayasi
4. Sher Shah Shuri

Correct Option - 1

Que. 33 Which article of the Constitution of India ensures the freedom of the press?

1. Article 15
2. Article 17
3. Article 19
4. Article 21

Correct Option - 3

Que. 34 The Indian Ocean is the _____ ocean in the world.

1. largest
2. third-largest
3. smallest
4. second-largest

Correct Option - 2

Que. 35 Who invaded and conquered the Chanderi Fort in 1528 AD?

1. Krishna Dev Raya
2. Ibrahim Lodhi
3. Babur
4. Rana Sanga

Correct Option - 3

Where is the Kalagarh Tiger Reserve located?

Que. 36

1. Nainital, Uttarakhand
2. Jim Corbett, Uttarakhand
3. Sonanadi, Uttarakhand
4. Almora, Uttarakhand

Correct Option - 1

Que. 37

Exercise Bongo Sagar, recently seen in the news, is a:

1. Trilateral maritime exercise involving India, Bangladesh, and Sri Lanka.
2. Bilateral naval exercise between India and Bangladesh.
3. Joint air force drill between India and Indonesia.
4. Coast Guard operation for counter-narcotics in the Indian Ocean.

Correct Option - 2

Que. 38

Krishnarao Shankar Pandit belonged to which of the following music gharanas?

1. Gwalior gharana
2. Atrauli gharana
3. Mewati gharana
4. Agra gharana

Correct Option - 1

Que. 39

Which day is celebrated as the International Women's Day?

1. March 6
2. March 7
3. March 5
4. March 8

Correct Option - 4

Que. 40

Where is the Mount Lewotobi Laki-Laki volcano located?

1. Indonesia
2. Australia
3. Peru
4. Somalia

Correct Option - 1

Que. 41

When was the Digital India program launched?

1. 2012

2. 2015
3. 2018
4. 2020

Correct Option - 2

Que. 42 Where was the 1st Indian Film Festival held in the United States?

1. New York City
2. Los Angeles
3. Seattle
4. Chicago

Correct Option - 3

Que. 43 In which month is the Kaliyattam festival celebrated?

1. Chingam (August-September)
2. Kumbham (February-March)
3. Meenam (March-April)
4. Makaram (January-February)

Correct Option - 2

Que. 44 When was the Constituent Assembly constituted?

1. December, 1946
2. July, 1942
3. November, 1949
4. January, 1950

Correct Option - 1

Que. 45 The book 'Hind Swaraj' is written by which of the following?

1. Mahatma Gandhi
2. Bal Gangadhar Tilak
3. Sarojini Naidu
4. Rajendra Prasad

Correct Option - 1

Que. 46 As per the 2011 census of India, the male literacy rate in India is _____. .

1. 88.61%
2. 70.55%
3. 64.72%

4. 82.14%

Correct Option - 4

Que. 47 An inverted Pyramid of biomass is represented by

1. Aquatic ecosystem
2. The ecosystem of a big tree
3. Grassland ecosystem
4. Tropical fresh ecosystem

Correct Option - 1

Que. 48 When is World Meteorological Day officially observed each year?

1. 21 March
2. 22 March
3. 23 March
4. 24 March

Correct Option - 3

Que. 49 With which country does India share the longest border?

1. China
2. Bhutan
3. Bangladesh
4. Myanmar

Correct Option - 3

Que. 50 Who is the author of the book "Gulamgiri"?

1. Jyotiba Phule
2. Ishwar Chand Vidyasagar
3. Bhim Rao Ambedkar
4. Sita Devi

Correct Option - 1