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**Memory Based Paper
23 May, 2025 Shift 2**



50 Questions

Que. 1 Distance between 2 stations A & B is 330 km. A train left station A at 8 am with a speed of 60 km/hr and another train left station B at 9 am with a speed of 75 km/hr. At what time both trains will meet each other. Also, distance covered by 1st train when they meet?

1. 11 am; 180 km
2. 11 am; 155 km
3. 9 am; 180 km
4. 9 am; 160 km

Correct Option - 1

Que. 2 If the ratio of A : B is 3 : 6 and ratio of B : C is 7 : 28, then find the ratio of A : B : C.

1. 3 : 7 : 28
2. 1 : 2 : 8
3. 2 : 1 : 8
4. 6 : 7 : 28

Correct Option - 2

Que. 3 What is the simple interest on Rs. 32,000 at 8.5% per annum for period from 10th Feb., 2019 to 24th April, 2019?

1. Rs. 550
2. Rs. 555
3. Rs. 544
4. Rs. 540

Correct Option - 3

Que. 4 F and M together can do a piece of work in 8 days. F alone can do the same work in 12 days. In how many days can M alone do the same work?

1. 8
2. 12
3. 24
4. 6

Correct Option - 3

Que. 5 The distance of the point P (2, 3) from the x-axis is

1. 2

2. 3
3. 1
4. 5

Correct Option - 2

Que. 6 Which of the following is a monomial ?

1. $2x + 7$
2. $x + 7$
3. x^2
4. $3x^2 + 2x + 7$

Correct Option - 3

Que. 7 If the circumference of circle is 176 cm then, what is the diameter of the circle?

1. 56 cm
2. 28 cm
3. 14 cm
4. 7 cm

Correct Option - 1

Que. 8 Let $y = x / 6$ and $4x + 12y = 48$. What is the value of x and y?

1. $x = 3$ and $y = \frac{2}{3}$
2. $x = 3$ and $y = \frac{4}{3}$
3. $x = 9$ and $y = 3$
4. $x = 8$ and $y = 1\frac{1}{3}$

Correct Option - 4

Que. 9 If $\frac{4}{5} : \frac{12}{10} :: \frac{x}{6} : \frac{9}{2}$, find the value of x.

1. 12
2. 15
3. 16.5
4. 18

Correct Option - 4

Que. 10 Number of seconds in 6 hours is equal to the number of minutes in

1. 12 days

2. 14 days
3. 15 days
4. 16 days

Correct Option - 3

Que. 11 20 men can pack 180 packets in 1 day. How many men are required to pack 135 packets in 15 days?

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

Correct Option - 1

Que. 12 Total surface area and radius of cylinder are $440\pi \text{ cm}^2$ and 10 cm respectively. Height of cylinder is:

1. 20 cm
2. 10 cm
3. 12 cm
4. 15 cm

Correct Option - 3

Que. 13 What is the median of the given data?

2, 3, 2, 3, 6, 5, 4, 7

1. 4
2. 4.5
3. 3.5
4. 3

Correct Option - 3

Que. 14 The unit of measurement of force is _____.

1. Watt
2. Joule
3. Newton
4. Curie

Correct Option - 3

Que. 15 The SI unit of displacement is _____.

1. Meter

2. Kilometer
3. Centimeter
4. Meter per second

Correct Option - 1

Que. 16 Which of the following instruments is used for measuring radiation?

1. Ammeter
2. Bolometer
3. Lactometer
4. None of these

Correct Option - 2

Que. 17 Light Year is used for measurement of _____.

1. Temperature
2. light intensity
3. Time
4. Distance

Correct Option - 4

Que. 18 Which of the following is known as the powerhouse of cell?

1. Mitochondria
2. plastids
3. golgi complex
4. chromosomes

Correct Option - 1

Que. 19 Which of the following is known as the blood bank of human body?

1. Spleen
2. Lung
3. Heart
4. Liver

Correct Option - 1

Que. 20 Which of the following organs is Myopia related to?

1. human eye
2. human ear
3. human brain

4. human heart

Correct Option - 1

Que. 21 What is the motion of the object called when an object follows a circular path at a constant speed?

1. velocity
2. angular velocity
3. uniform circular motion
4. frequency

Correct Option - 3

Que. 22 Calcium deficiency in the body occurs in the absence of which among the following?

1. Vitamin C
2. Vitamin D
3. Vitamin A
4. Vitamin E

Correct Option - 2

Que. 23 The process of dialysis is related to-

1. Liver
2. Lungs
3. Abdomen
4. Kidneys

Correct Option - 4

Que. 24 Which of the following is also called as Ethanoic acid?

1. Citric acid
2. Carbonic acid
3. Formic acid
4. Acetic acid

Correct Option - 4

Que. 25 If the distance between two particles is increased, then what is the effect on the gravitational force between them:

1. increases
2. decreases
3. becomes zero
4. remains same

Correct Option - 2

Que. 26 Which of the following is an example of an eastern coast port?

1. Mumbai Port
2. Chennai Port
3. Mormugao Port
4. New Mangalore Port

Correct Option - 2

Que. 27 Which of the following river originates at Amarkantak?

1. Narmada
2. Godavari
3. Mahanadi
4. Ghaghara

Correct Option - 1

Que. 28 Who is the recipient of the Major Dhyan Chand Khel Ratna Award 2024 for his outstanding contribution to sports?

1. Virat Kohli
2. Neeraj Chopra
3. Manika Batra
4. Harmanpreet Singh

Correct Option - 4

Que. 29 Which one of the following is found in appreciable amount in Laterite soil in India?

1. Calcium
2. Phosphate
3. Potash
4. Nitrogen

Correct Option - 2

Que. 30 Nilgiri is one of the oldest mountain ranges, located at the tri-junction of which three states?

1. Northern UP, Uttarakhand, Himachal Pradesh
2. Gujarat, Rajasthan, Haryana
3. Assam, Nagaland, Tripura
4. Tamil Nadu, Kerala, Karnataka

Correct Option - 4

Que. 31 Which of the following is NOT a National Waterway of the country?

1. National Waterway No. 6
2. National Waterway No. 4
3. National Waterway No. 2
4. National Waterway No. 1

Correct Option - 1

Que. 32 Who among the following Kachhawa rulers was one of Akbar's "Navratnas"?

1. Raja Sawai Jai Singh II
2. Raja Bhagwant Das
3. Raja Man Singh I
4. Raja Bharmal

Correct Option - 3

Que. 33 From where did World War II start on 1 September 1939?

1. Europe
2. United States
3. Africa
4. None of these

Correct Option - 1

Que. 34 The Quit India resolution was passed on _____.

1. 14th July 1942
2. 8th Aug 1942
3. 7th Dec 1942
4. None of the above

Correct Option - 2

Que. 35 When was the first Lokpal Day celebrated?

1. 14th January 2025
2. 15th January 2025
3. 16th January 2025
4. 17th January 2025

Correct Option - 3

Que. 36 When is National Maritime Day observed in India?

1. April 1
2. April 5
3. May 15
4. June 20

Correct Option - 2

Que. 37 What is the name of the recently launched autobiography of Nobel Peace Laureate Kailash Satyarthi?

1. Flames of Freedom
2. Light of Hope
3. Beacon of Change
4. Diyaslai

Correct Option - 4

Que. 38 On which date Indo-Pak war (1965) ended?

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

Correct Option - 3

Que. 39 Under which part of the Indian Constitution are the Fundamental Duties placed?

1. Part III
2. Part IVA
3. Part I
4. Part IV

Correct Option - 2

Que. 40 Whom did Aurangzeb send to fight against Sambhaji?

1. Aga Khan
2. Shaista Khan
3. Malik Noor
4. Muqarrab Khan

Correct Option - 4

Que. 41 Which of the following Pallava kings was popularly known by the title Rajasimha?

1. Narasimhavarman II
2. Narasimhavarman I
3. Mahendravarman II
4. Mahendravarman I

Correct Option - 1

Que. 42 The phases of moon are caused by

1. The rotation of the earth
2. The rotation of the moon
3. The revolution of the earth
4. The revolution of the moon

Correct Option - 1

Que. 43 Which of the following country has the longest rail transport network size based on the length of rail lines?

1. China
2. India
3. United States
4. Russia

Correct Option - 3

Que. 44 The Nilgiri Hills are part of which mountain range?

1. Satpura Range
2. Aravalli Range
3. Eastern Ghats
4. Western Ghats

Correct Option - 4

Que. 45 The Indian Constitution guarantees Fundamental Rights to its citizens under which of the following Articles?

1. Only Articles 12 to 35
2. Only Articles 14 to 32
3. Only Articles 12 to 30
4. Only Articles 15 to 35

Correct Option - 1

Que. 46 Why may we consider the Nayaka system under the Vijayanagar as feudal?

1. Nayakas were not appointed by the state
2. Nayakas were not transferred by the ruler
3. Nayakas pre-dated the Vijayanagar state
4. All Nayakas were great patrons of art and temples

Correct Option - 4

Que. 47 When was slavery finally abolished in the French colonies?

1. In 1842
2. In 1845
3. In 1848
4. In 1850

Correct Option - 3

Que. 48 What is the Sun and the celestial bodies revolving around it called as?

1. Galaxy
2. Milky way
3. Constellation
4. Solar system

Correct Option - 4

Que. 49 The Kandla port is located in the state of

1. West Bengal
2. Maharastra
3. Odisha
4. Gujarat

Correct Option - 4

Que. 50 Which of the following herbs is found only in India and is used to treat blood pressure?

1. Kachnar
2. Tulsi
3. Jamun
4. Sarpagandha

Correct Option - 4