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**Memory Based Paper
24 May, 2025 Shift 1**



50 Questions

Que. 1 Which poisonous substance is found in green potatoes?

1. Ergot
2. Trypsin inhibitor
3. Sanguinarine
4. Solanine

Correct Option - 4

Que. 2 In which year did Louis Pasteur discover that yeast is responsible for producing alcohol from sugar?

1. 1830
2. 1857
3. 1891
4. 1904

Correct Option - 2

Que. 3 The smell of hot food outside the kitchen also comes due to the process of _____

1. Evaporation
2. Sublimation
3. Boiling
4. Diffusion

Correct Option - 4

Que. 4 Ranikhet is the most common disease found in-

1. Silk worm
2. Fish
3. Poultry
4. Bee

Correct Option - 3

Que. 5 Which of the following was discovered by GN Ramachandran?

1. Fluid mosaic model of a cell
2. Plasma membrane
3. Golgi bodies
4. Triple helical structure of collagen

Correct Option - 4

Que. 6 Who was the first person to conduct a systematic study of chromosomes during division and called this process mitosis?

1. Antonie van Leeuwenhoek
2. Thomas Hunt Morgan
3. Walther Flemming
4. Friedrich Miescher

Correct Option - 3

Que. 7 Who discovered the 'electron'?

1. Michael Faraday
2. J. J. Thomson
3. Albert Einstein
4. J. C. Bose

Correct Option - 2

Que. 8 Which detergents are also used in toothpaste?

1. Cationic detergents
2. Synthetic detergents
3. Non-ionic detergents
4. Anionic detergents

Correct Option - 4

Que. 9 Identify the disease that is caused by parasites, viruses and bacteria that are transmitted by vectors.

1. Alzheimer's disease
2. Parkinson's disease
3. Leishmaniasis
4. Hemophilia

Correct Option - 3

Que. 10 Who is the father of genetics?

1. Charles Darwin
2. Gregor Johan Mendel
3. Robert Hook
4. James Watson

Correct Option - 2

Que. 11 Which of the following gases is used to fill the tyres of aeroplanes?

1. Helium
2. Neon
3. Nitrogen
4. Hydrogen

Correct Option - 3

Que. 12 Which of the following elements is responsible for Minamata disease?

1. Tetraethyllead
2. Methylmercury
3. Beryllium
4. Ethylcadmium

Correct Option - 2

Que. 13 By solving following equations, find the value of (x, y)?

$$x + 3y = 6 \text{ and } 2x - 3y = 12$$

1. (6, 2)
2. (5, 0)
3. (6, 0)
4. (-4, 2)

Correct Option - 3

Que. 14 If $A : B = 5 : 3$, then what is the value of $(A + B) : (A - B)$?

1. 4 : 1
2. 2 : 1
3. 4 : 3
4. 8 : 3

Correct Option - 1

Que. 15 What amount will be Rs. 1440 in 4 years at 5% simple interest?

1. Rs. 1180
2. Rs. 1200
3. Rs 1080
4. Rs. 1240

Correct Option - 2

Que. 16 If $x = 5 + y$ and $y = 15/x$, then find the value of x^2 .

1. $60 - y^2$
2. $25 - y^2$
3. $50 - y^2$
4. $55 - y^2$

Correct Option - 4

Que. 17 Find the volume of a cuboid whose length is 12 m, breadth is 10 m, and height is 15 m.

1. 1800 m^3
2. 1300 m^3
3. 1500 m^3
4. 1700 m^3

Correct Option - 1

Que. 18 15 men completes $1/3$ of the work in 8 days. How many men will complete remaining work in 5 days?

1. 42 men
2. 46 men
3. 40 men
4. 48 men

Correct Option - 4

Que. 19 The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:

1. 2.3 meters
2. 1.3 meters
3. 4.6 meters
4. 9.2 meters

Correct Option - 4

Que. 20 A shopkeeper bought 40 pieces of an article at a rate of ₹50 per item. He sold 35 pieces with 20% profit. The remaining 5 pieces were found to be damaged and he sold them with 10% loss. Find his overall profit percentage.

1. 16.25%
2. 32.5%
3. 30%
4. 10%

Correct Option - 1

Que. 21 Point A (-3, 2) and B (5, 4) are the end points of a line segment, find the Co - Ordinates of the mid points of the line Segment.

1. $(\frac{3}{2}, 1)$
2. $(\frac{2}{3}, 0)$
3. 1, 3
4. (2, 3)

Correct Option - 3

Que. 22 Two years ago, a father was 5 times his son's age. Five years hence, the father's age will be thrice his son's age. What is the present age of the father?

1. 35 years
2. 37 years
3. 40 years
4. 42 years

Correct Option - 2

Que. 23 If $5(x + 1) = 3(x + 2) + 11$, then find the value of x.

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

Correct Option - 3

Que. 24 $3 \text{ m } 6 \text{ cm} = ?$

1. 3600 cm
2. 360 cm
3. 306 cm
4. 30.6 cm

Correct Option - 3

Que. 25 Find the median of the first ten prime numbers.

1. 13
2. 11
3. 12
4. 10

Correct Option - 3

Que. 26 Which of the following tribes is associated with Tundra geographical region?

1. Bedouin
2. Masai
3. Eskimos
4. Chukchi

Correct Option - 3

Que. 27 The discovery of penicillin, which revolutionized medicine, is attributed to:

1. Robert Koch
2. Jonas Salk
3. Louis Pasteur
4. Alexander Fleming

Correct Option - 4

Que. 28 Who is known as the Father of Geometry' ?

1. Euclid
2. Pythagoras
3. Kepler
4. Aristotle

Correct Option - 1

Que. 29 Which of the following is India's research station in Antarctica?

1. Dakshin Gangotri
2. Dakshin Yamunotri
3. Uttar Gangotri
4. Uttar Yamunotri

Correct Option - 1

Que. 30 What is the capital of Republic of Croatia?

1. Mexico City
2. Zagreb
3. Amsterdam
4. Dubrovnik

Correct Option - 2

Que. 31 During whose tenure the Battle of Buxar happened?

1. Bahadur Shah I
2. Muhammad Shah I
3. Shah Alam II
4. Alamgir II

Correct Option - 3

Que. 32 Who laid the foundations of Space Technology in India?

1. Dr. M.G.K.Menon
2. Vikram Sarabhai
3. Dr. Raja Ramanna
4. Homi J.Bhabha

Correct Option - 2

Que. 33 Which country's currency is 'Dong'?

1. Vietnam
2. Cambodia
3. Thailand
4. Myanmar

Correct Option - 1

Que. 34 South Asian Association for Regional Cooperation came into being in:

1. 1967
2. 1985
3. 1979
4. 1981

Correct Option - 2

Que. 35 Gidda and Bhangra are dance forms of which state?

1. Haryana
2. Punjab
3. Himachal Pradesh
4. Uttarakhand

Correct Option - 2

Que. 36 Pandavani is a folk singing style popular in:

1. Bihar
2. Jharkhand
3. Uttar Pradesh
4. Chhattisgarh

Correct Option - 4

Que. 37 Madhavpur Mela takes place in:

1. Maharashtra
2. Gujarat
3. Rajasthan
4. Madhya Pradesh

Correct Option - 2

Que. 38 The Astra missile is classified as which type of missile?

1. Surface-to-Surface Missile
2. Surface-to-Air Missile
3. Air-to-Air Missile
4. Anti-Ship Missile

Correct Option - 3

Que. 39 Papeti is the festival of which religious community?

1. Hindus
2. Sikhs
3. Buddhists
4. Parsis

Correct Option - 4

Que. 40 Who is the executive head of the Panchayat Samiti?

1. Sarpanch
2. Mukhiya
3. Block Development Officer
4. Chairman

Correct Option - 3

Que. 41 Which of the following rivers is not a tributary of Brahmaputra ?

1. Subansiri
2. Pagladiya

3. Dhansiri
4. Bhavani

Correct Option - 4

Que. 42 Who was the first Indian woman to become the President of the Indian National Congress in 1925?

1. Sarojini Naidu
2. Indira Gandhi
3. Annie Besant
4. Vijaya Lakshmi Pandit

Correct Option - 1

Que. 43 Which of the following cities is not located on the banks of the Ganga River?

1. Kanpur
2. Varanasi
3. Agra
4. Allahabad (Prayagraj)

Correct Option - 3

Que. 44 What does the term 'coalition' refer to in the context of the Indian Parliament?

1. A formal agreement between the President and the Prime Minister.
2. An alliance formed by political parties after elections when no party has adequate seats to form a clear majority.
3. A partnership between two states to pass a law.
4. The process of drafting a new bill.

Correct Option - 2

Que. 45 Which of the following is considered a non-conventional source of energy?

1. Nuclear energy
2. Solar energy
3. Natural gas
4. Coal

Correct Option - 2

Que. 46 What is the duration of each half in a standard football match?

1. 40 minutes
2. 45 minutes
3. 50 minutes

4. 55 minutes

Correct Option - 2

Que. 47 Which year did the Bhopal Gas Tragedy occur?

1. 1974
2. 1984
3. 1994
4. 2004

Correct Option - 2

Que. 48 What term was used to describe a group of villages in the Chola administration?

1. Nadu
2. Ur
3. Velan
4. Mandal

Correct Option - 1

Que. 49 When did the Vikram Samvat era start?

1. 100 BCE
2. 58 BCE
3. 0 CE
4. 78 CE

Correct Option - 2

Que. 50 Who is the author of the book “Kashmir : Travels in Paradise on Earth” ?

1. Romesh Bhattacharji
2. Vikram Seth
3. Jhumpa Lahiri
4. Shamas Faqir

Correct Option - 1