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**Previous Year Paper
RO (HQ) - Danapur 2021**



50 Questions

Que. 1 Where is the Headquarters of U.N.O. located?

1. Paris
2. London
3. New York
4. New Delhi

Correct Option - 3

Que. 2 Name the Indian who became the Governor General of India?

1. BR Ambedkar
2. C Rajagopalachari
3. Jawahar Lal Nehru
4. Iskander Ali Mirza

Correct Option - 2

Que. 3 Tipu Sultan was the ruler of _____.

1. Bihar
2. Bengal
3. Mysore
4. Hyderabad

Correct Option - 3

Que. 4 Who among the following was known a Lion of Parliament?

1. Atal Bihari Vajpayee
2. Dr Shyama Prasad Mukherjee
3. Lala Lajpat Rai
4. Jai Prakash Narayan

Correct Option - 2

Que. 5 What is Zero Hour?

1. Time following question hour in Parliament
2. Time to go to sleep
3. Time to wake up after sleep
4. 1 a. m.

Correct Option - 1

Que. 6 If P means '+', Q means 'x', T means '/', and V means '-', than solve $18P12T4Q8V10 = ?$

1. 32
2. 50
3. 12
4. 52

Correct Option - 1

Que. 7 From the given options complete the series - $1/2, 3/4, 5/8, 7/16, (\underline{\hspace{1cm}})$

1. $12/35$
2. $9/32$
3. $10/17$
4. $11/32$

Correct Option - 2

Que. 8 From the given options complete the series - FJKP, ILMQ, LNOR, OPQS, ($\underline{\hspace{1cm}}$)

1. RQTV
2. RRST
3. RTTU
4. RQSS

Correct Option - 2

Que. 9 If $AAT = 20$, $BAT = 40$, then $CAT = \underline{\hspace{1cm}}$?

1. 80
2. 45
3. 90
4. 60

Correct Option - 4

Que. 10 From the given options fill in the blank space $22, 21, 23, 22, 24, 23, \underline{\hspace{1cm}}$

1. 22
2. 26
3. 24
4. 25

Correct Option - 4

Que. 11 Solve: $\sqrt{529} + \sqrt{81} = ?$

1. 44
2. 49
3. 21
4. 32

Correct Option - 4

Que. 12 If a cylinder has base radius of 6 cm and height 7 cm then find its volume ?

1. 821 cm^3
2. 521 cm^3
3. 792 cm^3
4. 729 cm^3

Correct Option - 3

Que. 13 If the cost of 2 tables and 3 chairs is Rs.500, then find the cost of 8 tables and 12 chairs ?

1. Rs. 2200
2. Rs. 2000
3. Rs. 3000
4. Rs. 1800

Correct Option - 2

Que. 14 The total surface area of a hemisphere of diameter 14 cm is ?

1. 462 cm^2
2. 1232 cm^2
3. 1848 cm^2
4. 308 cm^2

Correct Option - 1

Que. 15 The width of a rectangular room is $\frac{3}{4}$ of its length, If the area of the room is 300 square meter, then find the difference between its length and width ?

1. 15 meter
2. 5 meter
3. 4 meter
4. 3 meter

Correct Option - 2

Que. 16 In an hour a boat travels 11 km along the stream and 5 km against the stream. Find the speed of the boat in still water in km/h ?

1. 9 km/h
2. 5 km/h
3. 6 km/h
4. 8 km/h

Correct Option - 4

Que. 17 If A and B can do a piece of work in 10 days and 15 days respectively then the amount of work they can do together in 3 days ?

1. $\frac{1}{2}$
2. 1
3. $\frac{1}{6}$
4. $\frac{1}{3}$

Correct Option - 1

Que. 18 Square of 0.02 is ____?

1. 0.04
2. 0.0004
3. 0.1
4. 0.24

Correct Option - 2

Que. 19 Find the simple Interest of Rs. 1000 in 3 years at the rate 6% per annum ?

- 1. Rs. 600
- 2. Rs. 400
- 3. Rs. 180
- 4. Rs. 500

Correct Option - 3

Que. 20 Solve: $1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{7} + \frac{1}{14} + \frac{1}{28} = ?$

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

Correct Option - 1

Que. 21 The value of $(9)^5$ is _____ ?

- 1. 70500
- 2. 13800
- 3. 40510
- 4. 59049

Correct Option - 4

Que. 22 From the given option complete the series: 10, 100, 20, 400, 30, (____), 40, 1600

- 1. 1200
- 2. 900
- 3. 1000
- 4. 800

Correct Option - 2

Que. 23 Find out the volume of the cone (in cubic cm) whose area of base is 154 sq cm and the height 12 cm ?

- 1. 166 cm^3
- 2. 616 cm^3
- 3. 170 cm^3
- 4. 661 cm^3

Correct Option - 2

Que. 24 Area of a circle is 154 m^2 , Find out the perimeter of circle ?

- 1. 14 m
- 2. 44 m^3
- 3. 44 m
- 4. 7 m

Correct Option - 3

Que. 25

Find the maximum length of the rod that can be placed in a room of dimension 10 meters by 10 meters by 5 meters?

1. 15 meters
2. 16.5 meters
3. 17 meters
4. 18 meters

Correct Option - 1

Que. 26 Physical quantity of _____ is measured in watt.

1. Kinetic Energy
2. Power
3. Momentum
4. Impulse

Correct Option - 2

Que. 27 Magnetism at the centre of a bar magnet is _____.

1. Half of the poles
2. Maximum
3. Minimum
4. Zero

Correct Option - 4

Que. 28 When ice melts, its density _____?

1. Becomes Zero
2. Remains the same
3. Decreases
4. Increases

Correct Option - 4

Que. 29 Which instrument is used to see distant objects?

1. Aluminium
2. Television
3. Telescope
4. Microscope

Correct Option - 3

Que. 30 In a circuit, voltmeter is always connected in _____?

1. Parallel
2. Series
3. Triangular
4. Either series or parallel

Correct Option - 1

Que. 31 Weight an object falling freely is _____?

1. Double of Weight
2. Half of Weight
3. Zero
4. Equal to Mass

Correct Option - 3

Que. 32 Unit of 'Acceleration' is ____?

1. m/sec^2
2. m/sec
3. Joule
4. Newton

Correct Option - 1

Que. 33 A gas is enclosed in a container which is then placed on a moving train. The temperature of the gas ____?

1. Falls
2. Remain unchanged
3. Becomes unsteady
4. Rises

Correct Option - 2

Que. 34 Which of the following quantities is a scalar quantity?

1. Force
2. Current
3. Velocity
4. Weight

Correct Option - 2

Que. 35 Who invented Television?

1. Newton
2. Graham Bell
3. Watson
4. JL Baird

Correct Option - 4

Que. 36 Gauss is the unit of which of the following?

1. Magnetic Intensity
2. Magnetic Momentum
3. Magnetic Speed
4. Magnetic Induction

Correct Option - 4

Que. 37 Mercury is used in barometer because of it's ____?

1. High boiling point

2. Low melting point
3. High melting point
4. High density

Correct Option - 4

Que. 38 What is the unit of surface tension?

1. Newton
2. Joule
3. Newton/Meter
4. Newton \times Meter

Correct Option - 3

Que. 39 What is the speed of light in vacuum?

1. 330 m/sec
2. 3×10^5 m/sec
3. 3×10^7 m/sec
4. 3×10^8 m/sec

Correct Option - 4

Que. 40 1 horse power is equal to _____ watt?

1. 646
2. 700
3. 746
4. 500

Correct Option - 3

Que. 41 Nitronium is a gas used to make manure.

1. SO_2
2. N_2
3. Cl_2
4. NH_3

Correct Option - 4

Que. 42 When salt is added to water it's _____.

1. boiling point increases
2. freezing point increases
3. boiling point decreases
4. boiling point is not affected

Correct Option - 1

Que. 43 When zinc is put in copper sulphate, the colour of copper sulphate becomes?

1. Colourless
2. Greenish

3. Yellowish
4. Brownish

Correct Option - 1

Que. 44 Isotopes atoms showing same _____.

1. Atomic Number
2. Atomic Mass
3. Mass Number
4. Number of Neutrons

Correct Option - 1

Que. 45 What is the chemical formula of Dry Ice?

1. CO
2. CO₂
3. H₂O
4. H₂O₂

Correct Option - 2

Que. 46 Gun powder is a / an _____.

1. Element
2. Compound
3. Molecule
4. Mixture

Correct Option - 4

Que. 47 Elements on the right side of the Periodic Table are _____.

1. Metals
2. Transition Metals
3. Semi Metals
4. Non Metals

Correct Option - 4

Que. 48 An atom that can neither gain nor lose electrons is said to be?

1. Metallic
2. Non Metallic
3. An Inert
4. Atmospheric

Correct Option - 3

Que. 49 Number of Neutrons in heavy hydrogen atom are _____.

1. 0
2. 3
3. 1
4. 2

Correct Option - 3

Que. 50 What is the chemical symbol of Gold?

- 1. Fe
- 2. Au
- 3. Gd
- 4. Ag

Correct Option - 2



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