

**Indian
Army Soldier**

Previous Year Paper
Technical Paper Danapur
1 Nov 2020

50 Questions

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

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

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

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

Que. 3 Tipu Sultan was the ruler of

1. Mysore
2. Hyderabad
3. Ahmednagar
4. Ahmedabad

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

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

Que. 5 What is zero hour?

1. When matters of utmost importance are raised
2. When money bill is introduced in the Lok Sabha
3. When proposals of opposition are considered
4. Interval between morning and evening sessions

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

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

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. $11/32$

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

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

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

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

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

Que. 11 Physical quantity of $\underline{\hspace{1cm}}$ is measured in watt ?

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

Que. 12 Magnetism at the center of a bar magnet is $\underline{\hspace{1cm}}$?

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

Que. 13 When ice melts, its density $\underline{\hspace{1cm}}$?

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

4. Increases

Que. 14 Which instrument is used to see distant objects?

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

Que. 15 In a circuit, voltmeter is always connected in _____?

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

Que. 16 Weight of an object falling freely is _____?

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

Que. 17 Unit of 'Acceleration' is _____?

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

Que. 18 If gas is enclosed in a container which is then placed on a fast moving train. The temperature of the gas _____.

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

Que. 19 Which of the following quantities is a scalar quantity?

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

Que. 20 Who invented Television?

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

Que. 21 Gauss' is the unit of measuring which of the following?

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

Que. 22 Mercury is used in barometer because of its _____

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

Que. 23 What is the unit of surface tension?

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

Que. 24 What is the speed of light in vacuum?

1. 300 m/sec
2. 3×10^5 m/sec
3. 3×10^7 m/sec
4. 3×10^8 m/sec

Que. 25 1 horse power is equal to _____ watt?

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

Que. 26 Solve - $\sqrt{529} + \sqrt{81} = ?$

1. 44
2. 49
3. 21

4. 32

Que. 27 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

Que. 28 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

Que. 29 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

Que. 30 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

Que. 31 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

Que. 32 If A and B can do a piece of work in 10 days and 15 days respectively, then the part of work they can do together in 3 days is?

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

Que. 33 Square of 0.02 is _____?

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

Que. 34 Find the Simple interest on Rs. 1000 in 3 years at the rate 6% per annum?

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

Que. 35 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

Que. 36 The value of $(9)^5$ is _____?

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

Que. 37 From the given options complete the series - 10, 100, 20, 400, 30, (____), 40, 1600.

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

Que. 38 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

Que. 39 Area of a circle is 154 m^2 . Find out the perimeter of circle?

1. 14 cm
2. 44 m^2

3. 44 m
4. 7 m

Que. 40 If 3.4% of x is 68 then find the value of x ?

1. 2000
2. 6000
3. 5000
4. 1000

Que. 41 When salt is added to water its _____?

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

Que. 42 When zinc is put in copper sulphate solution, the colour of copper sulphate becomes?

1. Colourless
2. Greenish
3. Yellowish
4. Brownish

Que. 43 Isotopes are atoms showing same _____?

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

Que. 44 What is the chemical formula of Dry ice?

1. CO
2. CO₂
3. H₂O
4. H₂O₂

Que. 45 Gun powder is a/an _____?

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

Que. 46 Elements on the right side of the Periodic Table are _____

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

Que. 47 An atom that can neither gain nor lose electrons is said to be?

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

Que. 48 Number of Neutrons in heavy hydrogen atom are _____.

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

Que. 49 What is the chemical symbol of Gold?

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

Que. 50 What is the pH value of pure water?

1. 18
2. 7
3. 4
4. 12