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# **Army Soldier Technical**

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



## 50 Questions

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

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

Correct Option - 3

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**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

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**Que. 3** Tipu Sultan was the ruler of \_\_\_\_\_.

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

Correct Option - 3

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**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

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**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

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

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

Correct Option - 1

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**Que. 7** From the given options complete the series -  $\frac{1}{2}, \frac{3}{4}, \frac{5}{8}, \frac{7}{16}, (\quad)$

1.  $\frac{12}{35}$
2.  $\frac{9}{32}$
3.  $\frac{10}{17}$
4.  $\frac{11}{32}$

Correct Option - 2

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**Que. 8** From the given options complete the series - FJKP, ILMQ, LNOR, OPQS, (\_\_\_\_\_)

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

Correct Option - 2

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**Que. 9** If AAT = 20, BAT = 40, then CAT \_\_\_\_\_?

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

Correct Option - 4

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**Que. 10** From the given options fill in the blank space 22, 21, 23, 22, 24, 23, \_\_\_\_\_

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

Correct Option - 4

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

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

Correct Option - 4

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

1.  $821 \text{ cm}^3$
2.  $521 \text{ cm}^3$
3.  $792 \text{ cm}^3$
4.  $729 \text{ cm}^3$

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.  $462 \text{ cm}^2$
2.  $1232 \text{ cm}^2$
3.  $1848 \text{ cm}^2$
4.  $308 \text{ cm}^2$

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

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**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

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**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

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**Que. 18** Square of 0.02 is \_\_\_\_\_?

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

Correct Option - 2

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**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

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**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

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**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

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**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.  $166 \text{ cm}^3$
2.  $616 \text{ cm}^3$
3.  $170 \text{ cm}^3$
4.  $661 \text{ cm}^3$

Correct Option - 2

---

**Que. 24** Area of a circle is  $154 \text{ m}^2$ , Find out the perimeter of circle ?

1. 14 m
2.  $44 \text{ m}^3$
3. 44 m
4. 7 m

Correct Option - 3

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**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

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**Que. 26** Physical quantity of \_\_\_\_\_ is measured in watt.

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

Correct Option - 2

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**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

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**Que. 28** When ice melts, its density \_\_\_\_\_?

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

Correct Option - 4

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

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

Correct Option - 3

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**Que. 30** In a circuit, voltmeter is always connected in \_\_\_\_\_?

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

Correct Option - 1

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**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

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**Que. 32** Unit of 'Acceleration' is \_\_\_\_\_?

1.  $\text{m/sec}^2$
2.  $\text{m/sec}$
3. Joule
4. Newton

Correct Option - 1

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**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

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

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

Correct Option - 2

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**Que. 35** Who invented Television?

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

Correct Option - 4

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**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

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**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

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**Que. 38** What is the unit of surface tension?

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

Correct Option - 3

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

1. 330 m/sec
2.  $3 \times 10^5$  m/sec
3.  $3 \times 10^7$  m/sec
4.  $3 \times 10^8$  m/sec

Correct Option - 4

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**Que. 40** 1 horse power is equal to \_\_\_\_\_ watt?

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

Correct Option - 3

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

1.  $\text{SO}_2$
2.  $\text{N}_2$
3.  $\text{Cl}_2$
4.  $\text{NH}_3$

Correct Option - 4

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**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

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**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

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**Que. 44** Isotopes atoms showing same \_\_\_\_\_.

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

Correct Option - 1

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

1. CO
2. CO<sub>2</sub>
3. H<sub>2</sub>O
4. H<sub>2</sub>O<sub>2</sub>

Correct Option - 2

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**Que. 46** Gun powder is a / an \_\_\_\_\_.

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

Correct Option - 4

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**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

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**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

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**Que. 49** Number of Neutrons in heavy hydrogen atom are \_\_\_\_\_.

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



Correct Option - 3

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**Que. 50** What is the chemical symbol of Gold?

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

Correct Option - 2

