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Soldier Technical Paper

Previous Year Paper
[Lansdowne]
28 Feb 2021



50 Questions

Que. 1 What is the provision in Article 356 of Indian Constitution?

1. For jobs in reservation of backward classes
2. To impose President's rule in the states
3. For the protection of religious monument
4. To give special status to Jammu and kashmir

Que. 2 Where is Shah Jahan's tomb located?

1. Delhi
2. Sikan
3. Agra
4. Fatehpur

Que. 3 Which of the following organizations has been specifically formed to promote overall rural development in India?

1. SIDBI
2. RBI
3. SEBI
4. NABARD

Que. 4 Where is the Pir Panjal Range located?

1. Arunachal Pradesh
2. Jammu and Kashmir
3. Himachal Pradesh
4. None of these

Que. 5 What is the term of the Governor's tenure?

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

Que. 6 What will be the next number in 58, 52, 46, 40, 34?

1. 26
2. 28
3. 32
4. 30

Que. 7 If writing 5 # 32 @ to BUILT and TRIBE to © 935! What do we write to RULE?

1. 92 # 5
2. © # 2 !

3. ! # 2 ©
4. 9 # 2 !

Que. 8 Which is the word that does not match the words given below?

1. 30, 40
2. 50, 60
3. 10, 20
4. 40, 50

Que. 9 Complete the sequence from the given options: B_2CD , (____), BCD_4 , B_5CD , BC_6D

1. B_2C_3D
2. B_2C_2D
3. BCD_7
4. BC_3D

Que. 10 In a sign language 'CAT' is written as DDY, then what will be written as BIG?

1. CNL
2. CJL
3. CML
4. CLL

Que. 11 An object is dropped from a certain distance. When she is at half distance, she is _____ in it?

1. Both kinetic and potential energy
2. kinetic energy only
3. only potential energy
4. Zero energy

Que. 12 When the temperature increases, the surface tension of a material _____?

1. Nothing will be affected
2. increases
3. decreases
4. spreads

Que. 13 The part of the eye that presents the reflection of an object is called _____?

1. cornea
2. pupil
3. Iris
4. Retina

Que. 14 The temperature of a patient is 40°C . His temperature will be _____ in Fahrenheit?

1. 100°C
2. 104°F

3. 96° F
4. 72 ° F

Que. 15 How can the boiling point of a liquid be increased?

1. Pressure reduced
2. Raising the temperature
3. By decreasing temperature
4. By increasing pressure

Que. 16 The melting point of the fuse wire (wire) should be ____?

1. Moderate
2. Low
3. High
4. Infinite

Que. 17 What is the equation of force, mass and acceleration _____?

1. $ma = F$
2. $ma = 1 / F$
3. $a = mF$
4. $m = aF$

Que. 18 What is a unit of S.I. of Energy?

1. Joule
2. Watt
3. Newton
4. None of these

Que. 19 Hertz is a unit of _____.

1. Pressure
2. Number of volts
3. Electrical current
4. Frequency

Que. 20 Which of the following mirrors is used for solar energy storage in solar cookers?

1. Semi plane
2. Convex
3. Plane
4. Concave

Que. 21 A person cannot read a newspaper without his glasses, he is likely to suffer from _____?

1. Hypermetropia
2. Myopia

3. Astigmatism
4. Presbyopia

Que. 22 What will be the weight of a given body in the center of the earth?

1. Slightly more outside the equator
2. Slightly less than the weight of the equator
3. zero
4. Infinite

Que. 23 Gravity due to _____ acceleration at the equator?

1. is greater than the acceleration at the poles
2. less than the acceleration at the poles
3. is equal to the acceleration at the poles
4. does not depend on the centripetal acceleration of the Earth

Que. 24 The direction of a magnetic field that is generated by a linear current _____?

1. Ampere's law
2. Right hand thumb rule
3. Joule's law
4. Fleming's left hand rule

Que. 25 A dark skin person compared to white skin person will experience.

1. less heat and more cold
2. more heat and more cold
3. low heat and low cold
4. more heat and less cold

Que. 26 Which is the smallest number which is divided by 210 and 270, in each case there are 5 left?

1. 1800
2. 1860
3. 1896
4. 1890

Que. 27 10 men complete a work in 10 days while 12 women complete a work in 10 days. In how many days will 10 men and 6 women complete the work together?

1. 5 days
2. 2 days
3. 11 days
4. 4 days

Que. 28 If a 132 meter long train crosses a telephone pole in 6 seconds, find the speed of the train.

1. 70.6 km/h
2. 79.2 km/h

3. 72.9 km/h
4. 80.8 km/h

Que. 29 If $(a + b) = 7$ and $ab = 12$, then the value of $(a^2 + b^2)$ will be?

1. 18
2. 20
3. 25
4. 30

Que. 30 What should be multiplied by 624 so that product is 624?

1. 1
2. 0
3. 2
4. 10

Que. 31 Find the value $5^4 / 5^2$?

1. 5^{-2}
2. 5^6
3. 5^{-6}
4. 5^2

Que. 32 Find the percentage of a student who has scored 10 out of 40?

1. 2%
2. 33%
3. 25%
4. 4%

Que. 33 10% and 5% successive discount is equal to which single discount?

1. 14.25%
2. 0.15%
3. 14.50%
4. 0.14%

Que. 34 There are total 286 children in a school, in which the ratio of boys and girls is 8 : 5, if there are 22 more girls in the school, what will be the new ratio between boys and girls?

1. 10 : 7
2. 8 : 7
3. 12 : 7
4. 4 : 3

Que. 35 Shubham bought a mobile for Rs. 8000 and sold it for Rs. 7000. What percentage of his loss?

1. 12.6%

2. 12.5%
3. 13%
4. 14.5%

Que. 36 Start the value of $30 + 2/10 + 4/100 + 6/110$.

1. 30.426
2. 10.264
3. 30.246
4. 11.262

Que. 37 The average age of 7 boys is 20 years. If the average age of the first 6 boys is $39/2$, then what will be the age of the seventh boy?

1. 23 years
2. 22 years
3. 24 years
4. $49/2$ years

Que. 38 A truck completes a distance of 640 km in 10 hours. A car covers the same distance in 8 hours. What is the ratio of truck and car speed ?

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

Que. 39 If the diameter of the base of a cylinder is 14 cm and the surface of the curved surface is 220 cm^2 , what will be the volume?

1. 770 cm^3
2. 6622 cm^3
3. 1540 cm^3
4. 1000 cm^3

Que. 40 A coin is tossed three times and the results are marked. What will be the possible number of results?

1. 6
2. 9
3. 7
4. 4

Que. 41 process of converting minerals into oxide is called?

1. Smelting
2. Bassemerization
3. Roasting
4. Reigning

Que. 42 Which of the following is the gas with the highest mean free path?

1. H_2
2. CO_2
3. N_2
4. O_2

Que. 43 Coating of the tine can be removed by _____?

1. Iron brush
2. Solvent
3. Hydrogen
4. Oxygen

Que. 44 Faraday's law of electrolysis is related to?

1. Equivalent weight of the electrolyte
2. Atomic number of any anion
3. atomic number of the cation
4. speed of the cation

Que. 45 Molecular formula of Octane is _____?

1. C_6H_{14}
2. C_8H_{16}
3. C_2H_2
4. C_6H_{16}

Que. 46 Blister copper is _____.

1. Alloy of Copper
2. Copper containing 1% impurity
3. Pure copper
4. Ore of copper

Que. 47 What are the ingredients in urea?

1. C, N, H
2. C, H, O
3. C, N, O
4. C, O, N, H

Que. 48 Carboxylic group is present in?

1. Ethanol
2. Formaldehyde
3. Ethylene
4. Methanoic acid

Que. 49 Lemon is sour due to _____.

1. Oxalic acid
2. Tartaric acid
3. Citric acid
4. Acetic acid

Que. 50 Nitronium is a gas used to make manure.

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

