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MODEL TEST PAPER - 1

FOR

COMMON ENTRANCE EXAMINATION (SOLDIER GD)

Time: 1 Hour

Maximum Marks : 100

Pass Marks : 32

Instructions for the Candidates:-

- Do not open answer book till ordered.
- Question paper consists of four parts (Part I to Part IV) All parts are compulsory
- All questions are compulsory
- Do not write any revealing identification in the answer sheet. Such candidates will be DISQUALIFIED.
- Please fill in the set number on the answer sheet at the space provided.
- Space provided on page 2 may be used for Rough work.
- After the termination of test please return the question booklet along with the answer sheet to the Invigilator.
- Please ensure that you have got the correct question paper and answer sheet.

Part – I

GENERAL KNOWLEDGE

Choose the correct answer:

1. Which is the deepest ocean in the world ? (Ans C)
(a) Indian Ocean (b) Atlantic Ocean
(c) Pacific Ocean * (d) Arabian Sea
2. What is the term for a member of the Rajya Sabha? (Ans D)
(a) 5 Years (b) 4 Years
(c) 2 Years (d) 6 Years
3. Who was the first Indian to be appointed President of the International Court of Justice ? (Ans A)
(a) Nagendra Singh (b) Bhagat Singh
(c) Dr Hardayal (d) None of these
4. Which day is observed as Human Right Day ? (Ans C)
(a) 24th October (b) 4th July

- (c) 10th December (d) None of these
5. India's biggest multipurpose river valley project is..... - (Ans B)
- (a) Hirakund (b) Bhakra Nangal
(c) Damodar Valley (d) None of these
6. In which state is 'Sanchi Stupa' situated? (Ans A)
- (a) Madhya Pradesh (b) Uttar Pradesh
(c) Bihar (d) Maharashtra
7. 'Each one Teach one' programme relates to..... (Ans C)
- (a) Adult education (b) Regular education
(c) Non – formal education (d) Awakened citizen
8. When was 'Shimla Pact' between India and Pakistan inked? (Ans D)
- (a) 1955 (b) 1971
(c) 1962 (d) 1972
9. The River Mahanadi originates from..... (Ans A)
- (a) Raipur (b) Patna
(c) Ujjain (d) Dehradun
10. Who was written the book 'Anand Math'? (Ans A)
- (a) Bankim Chandra Chatterjee (b) Abdul Fazal
(c) Kalidas (d) Sarat Chandra Chatterjee
11. is the author of 'Meghdoot' (Ans A)
- (a) Kalidas (b) Tulsidas
(c) Kautilya (d) Vedvyas
12.is the largest planet of the solar system. (Ans A)
- (a) Jupiter (b) Mercury
(c) Venus (d) None of these
13. Which of these is not part of our Parliament ? (Ans C)
- (a) President (b) Lok Sabha
(c) Chief Justice (d) None of these
14. Where did Ashoka fight his last battle ? (Ans B)
- (a) Malaya (b) Kalinga
(c) Kochin (d) None of these
15. Gautam Buddha was born in..... (Ans D)
- (a) 563 BC (b) 472 BC
(c) 627 BC (d) None of these

GENERAL SCIENCE

Choose the correct answer:

16. What is the heart beat rate of a young healthy man ? (Ans B)
- (a) 50 times (b) 72 times
(c) 108 times (d) None of these
17. Brain is responsible for _____ (Ans C)
- (a) Thinking (b) Balancing the body
(c) Both (a) and (b) (d) Only (a)
18. Blood is purified by _____ (Ans C)
- (a) Lungs (b) Intestines
(c) Kidney (d) None of these
19. _____ is used in thermometer to show the temperature. (Ans B)
- (a) Lead (b) Mercury
(c) Silver (d) None of these
20. _____ set of animals are cold blooded. (Ans D)
- (a) Crow, Earthworm, Frog (b) Frog, Crow, Whale
(c) Penguin, Salamander, Monkey (d) Rohu, Frog, Cobra
21. Solar Eclipse occur when _____ (Ans B)
- (a) Earth comes between sun and moon.
(b) Moon comes between sun and earth
(c) During crisis
(d) Sun comes between moon and earth
22. Good conductor of electricity is _____ (Ans C)
- (a) Glass (b) Paper
(c) Copper (d) None of these
23. Beri Beri is caused due to deficiency of vitamin _____ (Ans B)
- (a) A (b) B
(c) C (d) D
24. ATP is _____ (Ans B)
- (a) Adenosine tetra phosphate (b) Adenine tri phosphate
(c) Adenosine tri phosphate (d) None of these
25. _____ law was put forth by Ernst Haeckel. (Ans B)

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- | | |
|------------------------|------------------------|
| (a) Law of inheritance | (b) The biogenic law |
| (c) Law of dominance | (d) Law of segregation |

26. Melting point of ice is _____ (Ans B)

- | | |
|------------|----------|
| (a) 100° C | (b) 4° C |
| (c) 0° C | (d) 5° C |

27. Hemoglobin is found in _____ (Ans C)

- | | |
|-----------|-----------|
| (a) Vein | (b) Urine |
| (c) Blood | (d) AIDS |

28. The nucleus of an atom consists of _____ (Ans C)

- | | |
|----------------------------|---------------------------|
| (a) Electrons and Neutrons | (b) Electrons and Protons |
| (c) Protons and Neutrons | (d) Neutrons only |

29. A mixture of metal dissolved in mercury is known as _____ (Ans A)

- | | |
|------------------|--------------|
| (a) Amalgam | (b) Alloy |
| (c) Mercury salt | (d) Solution |

30. The formula of Ammonium Chloride is _____ (Ans A)

- | | |
|------------------------|-------------------------------------|
| (a) NH ₄ Cl | (b) NH ₄ Cl ₂ |
| (c) NHCl ₂ | (d) NH ₄ Cl ₄ |

31. Rusting of Iron is a _____ (Ans B)

- | | |
|------------------------|----------------------------|
| (a) Physical Change | (b) Chemical change |
| (c) Biochemical change | (d) Electrochemical change |

32. Penicillin is a _____ (Ans A)

- | | |
|----------------|--------------|
| (a) Antibiotic | (b) Fats |
| (c) Enzymes | (d) Proteins |

33. The male and female genes in the flower are called ova and _____ (Ans B)

- | | |
|------------|------------|
| (a) Zygote | (b) pollen |
| (c) Pupa | (d) Sperms |

34. _____ is the fundamental particle that constitutes an atom other than the proton and electron.
(Ans A)

- | | |
|-------------|------------|
| (a) Neuron | (b) Photon |
| (c) Neutron | (d) Anon |

35. _____ is not a compound. (Ans A)

- | | |
|-----------|-----------|
| (a) Air | (b) Steel |
| (c) Water | (d) Brass |

Part – III
MATHEMATICS

Choose the correct answer:

36. The value of $2-(2)$ is _____ (Ans A)
(a) 0 (b) 4
(c) 8 (d) 16
37. If two angles of a triangle are 30 and 105, then the third angle will be _____ (Ans B)
(a) 75 (b) 45
(c) 65 (d) 60
38. What is the value of $\frac{7}{9}$ of 45 ? (Ans B)
(a) 33 (b) 35
(c) 38 (d) 28
39. If $\frac{(0.4z - 3)}{(1.5z + 9)} = -\frac{7}{5}$. Find the value of z. (Ans D)
(a) $\frac{98}{25}$ (b) $\frac{26}{35}$
(b) $-\frac{96}{25}$ (d) None of these
40. Find the area of a playground of 300m length and 200m breadth. (Ans A)
(a) 60,000m² (b) 500m
(c) 10,000m² (d) 60,000m³
41. If 8 men can do a piece of work in 15 days, then in how many days could 20 men do the same work? (Ans D)
(a) 7 days (b) 8 days
(c) 10 days (d) None of these
42. What is the fractional value of 4.21? (Ans A)
(a) $\frac{421}{100}$ (b) $\frac{121}{10}$
(c) $\frac{121}{1000}$ (d) $\frac{21}{100}$
43. Find the value of $\frac{1}{2} + \frac{1}{4}$? (Ans A)
(a) $\frac{3}{4}$ (b) $\frac{3}{2}$
(c) $\frac{5}{4}$ (d) $\frac{1}{8}$
44. What is the square root of 0.0036? (Ans A)
(a) 0.06 (b) 0.6
(c) 00.6 (d) 6
45. Perimeter of a square is 1000 cm. Find one side of that square ? (Ans D)
(a) 10 cm (b) 100 cm

(c) 20 cm

(d) 250 cm

46. 3 hrs = _____ minutes ?

(Ans B)

(a) 1080

(b) 180

(c) 108

(d) 1800

47. $(x + 4)(x + 5) = ?$

(Ans D)

(a) $x^2 + x - 20$

(b) $x^3 + 9x - 20$

(c) $x^2 + 5x + 1$

(d) $x^2 + 9x + 20$

48. If the average of 40, 10, 25, 20, 35 and x is 25, then the value of x is :

(a) 20

(b) 30

(c) 35

(d) None of these

49. Simplify : $81 \times 81 + 68 \times 68 - 2 \times 81 \times 68$

(Ans A)

(a) 169

(b) 196

(c) 201

(d) None of these

50. Area of square ?

(Ans A)

(a) side x side

(b) length x breadth

(c) length x length

(d) 4 x side