

# 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) 24<sup>th</sup> October (b) 4<sup>th</sup> July

- (c) 10<sup>th</sup> 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

**Part – II****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)

- (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<sub>4</sub>Cl (b) NH<sub>4</sub>Cl<sub>2</sub>  
(c) NHCl<sub>2</sub> (d) NH<sub>4</sub>Cl<sub>4</sub>
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) 60,000m<sup>2</sup> (b) 500m  
(c) 10,000m<sup>2</sup> (d) 60,000m<sup>3</sup>
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