

## **SOLDIER TRADESMAN**

**MAXIMUM MARKS : 100**

**TIME : 60 MINUTES**

**PASS MARKS : 32**

**MODEL TEST : 16**

### **INSTRUCTIONS FOR THE CANDIDATES**

1. Do not open answer book till ordered.
2. Question paper consists of two sections (Section A and Section B). Both the sections are compulsory. Answer to both sections will be marked only on the OMR Sheet which will be issued by Exam Centre. Candidates will not use question paper to answer the questions. Candidate has to score min. of 32 marks each in section A and B separately and a min of 80 marks in total to qualify in the exam.
3. Use only blue/black ball point pen to mark your answer on OMR Sheet. Use of pencil is strictly prohibited
4. Do not write any revealing identification in the OMR Sheet. Such candidates will be **DISQUALIFIED**.
5. space provided on page 2 may be used for Rough work.
6. After the termination of test please return the question booklet along with the OMR sheet to the Invigilator.
7. Please ensure that you have got the correct question paper and OMR Sheet

### **INSTRUCTIONS FOR INVIGILATION BOARD**

8. Invigilation board will ensure that all candidates comply with the above instructions.
9. Invigilation board will explain the method and Do's and Donts regarding filling up of OMR Sheet.
10. On completion of examination the invigilation board will go through the work script and cross out with Green ink any part of answer sheet left blank by the candidates. The answer sheets will be packed after ensuring the action.
11. Presiding Officer will announce the set number of the question paper administered after distributing the question paper and will ensure that all the candidates have got the required set number.
12. Invigilation Board will ensure that all candidates comply with the above instructions. / Answers to all questions will be marked on OMR Sheet and this will be provided in situ by the Exam Centre.



## GENERAL KNOWLEDGE

1. The famous 'Khajuraho' sculptures can be seen in a  
A) Orissa                      B) Gujarat                      C) Maharashtra                      D) Madhya Pradesh
2. Which one of the following is not produced by insects?  
A) Lac                      B) Honey                      C) Silk                      D) Saffron
3. Durand Cup is associated with which sport?  
A) Hockey                      B) Football                      C) Cricket                      D) None of these
4. Which one of the following is an anti-tank missile with 4 - 6 km range?  
A) Nag                      B) Prithvi                      C) Agni                      D) Akash
5. Who became the first P.M. of India born after Independence ?  
A) Atal Bihari Vajpayee                      B) Narendra Modi  
C) Manmohan singh                      D) Jawahar Lal Nehru
6. Where is the Geological Survey of India situated?  
A) Dehradun                      B) Delhi                      C) Kolkata                      D) Hyderabad
7. Where is Gir Forest located ?  
A) Rajasthan                      B) Orissa                      C) Andhra Pradesh                      D) Gujarat
8. On which day is Army Day celebrated in India ?  
A) 1 June                      B) 1 May                      C) 15 January                      D) March 9
9. Where was Adolf Hitler born ?  
A) Germany                      B) Italy                      C) China                      D) Austria
10. Thar desert is in which of the following States?  
A) Rajasthan                      B) Gujarat                      C) Haryana                      D) Punjab
11. Bangkok is the capital of –  
A) Thailand                      B) Malaysia                      C) Singapore                      D) Philipines
12. Sunderbans is a  
A) Delta                      B) Mountain                      C) River                      D) Desert
13. Pandit Ravi Shankar is related to which of the following?  
A) Music                      B) Sports                      C) Literature                      D) Philosophy



14. Which of the following is not a ship/boat of Indian Navy  
A) Nishant                      B) Vibhuti                      C) Prabhat                      D) Savitry
15. Where is Gol Gumbaz located?  
A) Andhra Pradesh              B) Maharashtra              C) Karnataka              D) Gujarat

### REASONING

16. Find out the missing term in the following series.  
138, 161, 185, 210, ?  
A) 240                      B) 236                      C) 272                      D) 229
17. In the following question the first two words have a common relationship. Choose one word out of the given four alternatives, which will replace the question mark, having same relationship with the third, as the given pair has:  
Good : Bad :: Roof : ?  
A) Walls                      B) Pillars                      C) Floor                      D) Window
18. In a particular way of coding the word CENTRAL is coded as ABCDEFG and PLANETARIUM as HGF C B D F E I J K. With the same coding how can we express the word LANTERN?  
A) GFCDFEG                      B) GFCDBEC                      C) GFCDEFG                      D) GFCDBEB
19. A word given in Capital Letters is followed by four answer words. Out of these only one cannot be formed by using the letters of the given words. Find out that word. ADMINISTRATION  
A) MIND                      B) RATION                      C) MINISTER                      D) STATION
20. A man is facing north-west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now?  
A) East                      B) West                      C) North                      D) South

### GENERAL SCIENCE

21. Who discovered blood circulation?  
A) Galen                      B) Harvey                      C) Vander Waals                      D) Foxen
22. The outermost layer of the skin is called :  
A) Dermis                      B) Epidermis                      C) Cortex                      D) Cuticle
23. Sound louder than how many decibels is painful?  
A) 90                      B) 130                      C) 180                      D) 100
24. Which of the following is commonly used as moderator in nuclear reactors?  
A) Normal Water                      B) Super Heated Water  
C) Light Water                      D) Heavy Water



25. Tyndall effect is associated with which property of light?  
A) Scattering of light  
B) Dispersion  
C) Suspension  
D) None of these
26. What is the measure of Inertia?  
A) Force  
B) Density  
C) Mass  
D) Lux
27. Nuclear fusion occurs in  
A) Atomic Bomb  
B) Hydrogen Bomb  
C) Neutron Bomb  
D) Nuclear Reactor
28. Electric light bulbs are filled with :  
A) Argon  
B) Air  
C) Nitrogen  
D) Oxygen
29. A stationary body can have :  
A) Velocity  
B) Momentum  
C) Acceleration  
D) Energy
30. Propagation of sound wave is possible only if there is .....  
A) Vacuum  
B) A medium  
C) Condensation  
D) Rarefaction
31. The image formed by a Convex mirror is always:  
A) Real and inverted  
B) Virtual and erect  
C) Real and erect  
D) Virtual and inverted
32. Which of the following is produced on heating Calcium Carbonate?  
A) Oxygen  
B) Hydrogen  
C) Carbon dioxide  
D) Chlorine
33. Which one of the following is used as a fuel?  
A)  $\text{CO}_2$   
B)  $\text{C}_4\text{H}_{10}$   
C)  $\text{CH}_3\text{COOH}$   
D)  $\text{C}_2\text{H}_6$
34. Animal Kingdom is divided into how many sub-kingdom?  
A) One  
B) Two  
C) Three  
D) Four
35. How do the amphibious animals respire?  
A) Lungs  
B) Skin  
C) Gills  
D) All of the above

### MATHEMATICS

36. How many numbers between 200 and 300 are such which are divisible by 13?  
A) 10  
B) 9  
C) 8  
D) 12
37. Find out the area of rhombus whose diagonals are 16 cm. and 18cm?  
A) 180 Sq.cm  
B) 16 Sq.cm  
C) 144 Sq.cm  
D) 100 Sq. cm.



38.  $\sqrt{0.00004761}$  is equal to :
- A) 0.069 m                      B) 0.0069                      C) 0.00069                      D) 0.0609
39. In how many years a principal amount will be 3 times at 10% simple rate of interest
- A) 12 yrs                      B) 15 yrs.                      C) 20 yrs                      D) 22 yrs.
40. In an Army 6% soldiers were injured and 282 fit soldiers are remaining. Calculate the number of soldiers injured.
- A) 20                      B) 15                      C) 25                      D) 18
41. What are the factors of  $m^2 + 11mn + 18n^2$ ?
- A)  $(m + 9n)(m + 2n)$                       B)  $(m - 9n)(m + 17)$   
C)  $(m - 9m)(m + 12n)$                       D)  $(m - 9n)(m - 2n)$
42. Ram's age is that of his father's age. If the sum of the ages of Ram and father is 60 years. What is Ram's age?
- A) 25 years                      B) 15 years                      C) 20 years                      D) 30 years
43. Rajesh keeps his marbles in bags. He wants to keep in each bag as many marbles as there are the bags. How many bags should he possess if he has 3481 marbles?
- A) 49                      B) 69                      C) 79                      D) 59
44.  $\sqrt{\frac{0.081 \times 0.324 \times 4 \cdot 624}{1.5625 \times 0 \cdot 0289 \times 72 \cdot 9 \times 64}}$  is equal to :
- A) 24                      B) 2.4                      C) 0.024                      D) None of these
45. Find a number if 6 are added in it then it becomes divisible by 27, 36 63 and 108.
- A) 650                      B) 550                      C) 850                      D) 750
46. What is the square root of 22801?
- A) 121                      B) 131                      C) 147                      D) 151
47. A merchant has 403 litres, 434 litres and 465 litres of three kinds of oil. If he wants to fill all kinds of oil in tins of equal volume separately, then the minimum numbers of tin are necessary :
- A) 21                      B) 42                      C) 7                      D) 84
48. If the radius of a wheel of a cycle is 42 cm. How much distance will the wheel cover in 400 revolutions ?
- A) 1056 mtr.                      B) 1080 mtr.                      C) 900 mtr.                      D) 1120 mtr
49. An article when sold for Rs. 329 incurred 6% loss to the shopkeeper. What is the cost price of the article?
- A) 335 Rupees                      B) 310 Rupees                      C) 350 Rupees                      D) 370 Rupees



50. What will be the complete surface area of a cylinder having 28m as and 20 m as its height ?

A) 2992 m<sup>2</sup>

B) 3001 m<sup>2</sup>

C) 2990 m<sup>2</sup>

D) 2800 m<sup>2</sup>

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY



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### Answer Key

1.	D	11.	A	21.	B	31.	B	41.	A
2.	D	12.	A	22.	B	32.	C	42.	B
3.	B	13.	A	23.	B	33.	B	43.	D
4.	A	14.	A	24.	D	34.	B	44.	D
5.	B	15.	C	25.	A	35.	D	45.	C
6.	C	16.	B	26.	C	36.	C	46.	D
7.	D	17.	C	27.	B	37.	C	47.	B
8.	C	18.	B	28.	A	38.	B	48.	A
9.	D	19.	C	29.	D	39.	C	49.	C
10.	A	20.	B	30.	B	40.	D	50.	A