SOLDIER TRADESMAN

MAXIMUM MARKS : 100 **TIME :** 60 MINUTES

PASS MARKS : 32 **MODEL TEST :** 15

INTRUCTIONS 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 2may 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. PresidingOfficerwillannouncethesetnumberofthequestionpaperadministeredafterdistributing.the question paper and will ensure that all the candidates have got the required set number.
12. InvigilationBoardwillensurethatallcandidatescomplywiththeaboveinstructions./Answers to all questions will be marked on OMR Sheet and this will be provided in situ by the Exam Centre.

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY

GENERAL KNOWLEDGE

1. The Sati tradition was abolished mainly because of the efforts of
   A) The British B) Raja Ram Mohan Roy
   C) The Missionaries D) Maharishi Karve

2. 'Nagasaki' and 'Hiroshima' which suffered the dropping of nuclear bomb in 1945 are in:
   A) Korea B) China C) Japan D) Singapore

3. Buland Darwaza was built to commemorate Akbar's victory on :
   A) Malwa B) Deccan C)Bengal D) Gujarat

4. The Jallianwala Bagh massacre of 1919 occurred at:
   A) Amritsar B) Nagpur C) Chandigarh D) Calcutta

5. The Salt Satyagraha was started in :
   A) 1930 B) 1932 C) 1928 D) 1931

6. Who discovered the art of making paper in the 2nd Century B.C?
   A) Chinese B) Romans C) Greeks D) Mongols

7. The longitude of Calcutta can be determined with reference to its distance from:
   A) Equator B) North Pole C) Tropic of Cancer D) Prime Meridian

8. The first telegraph line introduced by Lord Dalhousie in 1853 ran between :
   A) Bombay and Thane B) Calcutta and Madras
   C) Bombay and Agra D) Calcutta and Agra

9. Who wrote the 'Humayun Nama"?
   A) Gulbadan Begum B) Mumtaz Mahal
   C) Jahanara Begum D) Roshnara Begum

10. Of the following, the RABI crop is
    A) Gram B) Groundnut C) Cotton D) Jute

11. Tea is grown on :
    A) Mountain B) Plateau C) Mountain Valley D) Hill slopes

12. The Hirakud project has been across the river :
    A) Godavari B) Mahanadi C) Damodar D)Kosi

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13. The gold mine of India is in the state of:
A) Andhra Pradesh B) Jharkhand C) Karanataka D) Chhatisgarh

14. When did Bangladesh come into existence ?
A) 1962 B) 1965 C) 1975 D) 1971

15. Panaji is the capital of the state :
A) Chatisgarh B) Goa C) Gunrated D) Sikkim

REASONING

16. If CHAMPION' is written as '32574618'in a code language then in the same code language NOIPMAHC' will be written as –
A) 81657523 B) 81647523 C)81648653 D) 81647253

17. Renuka starts walking from her house, she walks first 3 km towards west then she turns north and walks 4 km. So how far and in which direction is Renuka from her house?
A) 5 km north-west B) 3 km north C) 5 km west D) 3 km south

18. Find out the missing term in the following series.
3,10, 101,?
A)10101 B)11012 C) 10202 D)10201

19. 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:
Thread : Cloth :: Wire : ?
A) Rope B) Mesh C) Sieve D) Telegraph

20. P is Q's brother. R is Q's mother. S is R's father. T is S's mother. How is P related to T?
A) Grand-daughter B) Great-grandson
C) Grandson D) Grandmother

GENERAL SCIENCE

21. Give four examples of non-living?
A) Air, Wood, Stones, Plastic B) Wood, Soil, Stones, Plastic
C) Wood, Soil, Water, Air D) None of these

22. The main constituents of human skeleton is
A) Calcium B) Phosphorus C) Iron D) Zinc

23. The strongest muscle of the body is
A) Thigh B) Arm C) Jaw D) Neck

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24. In a car battery the acid used is :
A) Nitric acid B) Sulpuhric acid
C) Cytric acid D) Hydrocholoric acid

25. L.P.G gas is mixture of butene, ethene, and .....
A) Iso butene B) Hydrogen C) CO_2 D) None of these

26. Hydrogen bomb is based on the reaction of:
A) Nuclear fission B) Nuclear fusion C) Both D) None of these

27. Diamond is ..... of electricity
A) bad conductor B) conductor C) half conductor D) all of these

28. Brass is an alloy of ..... and .....
A) copper and tin B) copper and zinc
C) copper and iron D) None of these

29. The main constituent of bio gas is :
A) Methene B) Carbon di oxide C) Propene D) Hydrogen

30. Due to which of the factor the energy never exhauste on the sun.
A) Nuclear fusion B) Nuclear fission C) Both D) None of these

31. Which of the following is a fuel of fossils :
A) Petroleum B) West of animal C) wood D) Atomic reactor

32. The metal which of lighter than water is :
A) Aluminium B) Silver C) Sodium D) Mercury

33. Distilled water is ..... of electricity.
A) Neutral B) Bad conductor C) Conductor D) All of these

34. In which organ the blood is purified:
A) Kidney B) Lever C) Lungs D) Heart

35. In which of the following instrument mechanical energy is converted in to electric energy:
A) Moter B) Dynamo C) Carburetor D) Turbine

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MATHEMATICS

36. $\frac{4.7\times4.7-1.3\times1.3}{4.7-1.3}$

A) 6 B) 5 C) 0.6 D) 0.5

37. 30% of 30 is :

A) 0.9 B) 9 C) 90 D) 900

38. 3.25 +.25 +1.75 = ?

A) 52.5 B) 0.525 C)5.25 D) 7.25

39. $\sqrt{a^2 \times a^4}$= ?

A) a^3 B) a^6 C) a^2 D) $a^{2.4}$

40. $1+\frac{1}{1+\frac{1}{1+\frac{1}{2}}}$

A) 8/5 B) 5/8 C) 3/5 D) 4/5

41. $\sqrt[3]{32}= 2^x$ then the value of x:

A) 5/2 B) 3 C) 2 D) 1

42. If x^3= 8 then the value of x is :

A) 4 B) 3 C)2 D)1

43. $\sqrt{1\frac{7}{9}}$

A) 17/3 B) 17/9 C) 7/3 D) 4/3

44. 0.009 ÷ ? =0.01

A) 9 B)0.9 C)0.09 D) 90

45. A train 140 m long crosses a pole 12 second then the speed of the train is:

A) 40 km/h B) 42 km/h C) 44 km/h D) 50 km/h

46. Mohan is five times older than his son. After 4 years the sum of their ages will be 44 years. Find the present age of Mohan.

A) 42 years B) 30 years C) 25 years D) 40 years

47. At what % of simple interest an amount will be double in 5 years :

A) 15% B) 18% C) 20% D) 25%

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48. The sum of ages of a father and his son is 60 years. If 5 years before age of father was 4 times to his son then the their present age is :

A) 20 years 40 years
B) 15 years, 40 years
C) 15 years, 45 years
D) 10 years, 50 years

49. $\sqrt{110\frac{1}{4}}$

A) 15.5
B) 5.5
C) 10.5
D) 12.5

50. If a +1/a= 3, the find the $a^2 + \frac{1}{a^2}$ value of a?

A) 7
B) 4
C)1
D) 2

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SOLDIER TRADESMAN

Answer Key

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

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