SOLDIER TRADESMAN

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

PASS MARKS : 32 **MODEL TEST :** 25

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 maximum producer of sandal among the following is___
   A) Andhra Pradesh B) Karnataka C) Tamil Nadu D) Kerala

2. Which National Highway passes through Agra?
   A) NH-2 B) NH-4 C) NH-7 D) NH-9

3. Who wrote Ain-i-Akbari?
   A) Abul Fazal B) Akbar C) Badaoni D) Firdausi

4. The All India National Congress was founded in the year?
   A) 1885 B) 1886 C) 1887 D) 1889

5. How many fundamental duties are in the Indian Constitution?
   A) Nine B) Eleven C) Twelve D) Twenty

6. Who approves a bill as money bill in Lok Sabha?
   A) President B) Finance Minister C) Prime minister D) Speaker

7. The Nobel prize is not given in the field of___
   A) Literature B) Economist C) Chemistry D) Maths

8. The first recipient of Bharat Ratna was__
   A) CV Raman B) Rajaji C) S Radhakrishnan D) All of these

9. The first person to travel twice to space is___
   A) Robert Blacksmith B) Charles Simonyi
   C) David Kallermann D) None of these

10. The first fully Indian Bank__
    A) Canara Bank B) Punjab National Bank C) SBI D) Central Bank

11. First Atomic Reactor of India was named as__
    A) Arya Bhatta B) Tara C) Apsara D) Dhruva

12. Lira is the currency of which European country?
    A) Italy B) Greece C) Finland D) Austria

13. Where is Sathish Dhawan Space Centre is located?
    A) Sriharikota B) Chandipur C) Thumbha D) Bengaluru

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14. "A Bend in the River" is the renowned book written by__-
A) Charles Dickens B) RK Narayan
C) VS Naipaul D) Khuswant Singh

15. Currency of Saudi Arabia is__
A) Dinar B) Lira C) Riyal D) None of these

GENERAL SCIENCE

16. An insect starts moving on a ring from a point A and after 10 s it complete a circle and reaches at A. Then displacement covered by that insect?
A) zero B) πr C) $2\pi r$ D) None of these

17. The SI unit of torque
A) N B) N-m C) N/m D) m/N

18. Earthquake produces which kind of sound before the main shock wave begins?
A) ultra sound B) infrasound C) audible sound D) None of these

19. A periscope works on the principle of__
A) reflection B) refraction C) total internal reflection D) diffraction

20. Human eye has a focal length of__
A) 2 cm B) 2.5 cm C) 25 cm D) 20 cm

21. An object is placed at a distance of 10 cm from a convex mirror of focal length 15 cm. Find the position
A) 5 cm B) 6 cm C) 10 cm D) 20 cm

22. Electrical resistivity of a given metallic wire depends upon_
A) its length B) its thickness C) its shape D) nature of material

23. All electric wire are well insulated for purpose of safety with some
A) iron cover B) glass cover C) plastic cover D) wood cover

24. Electrical resistance of certain material becomes zero at very low temperature is called-__
A) conduction B) charging C) superconductivity D) None of these

25. In left hand rule, forefinger always represents
A) Voltage B) Current
C) magnetic field D) direction of force on the conductor

26. When a magnet is suspended freely it always aligns itself in ___directions
A) North B) South C) North- South D) East west

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27. Which of the following is in the plasma state?
A) Mars B) Jupiter C) Sun D) All of these

28. Which of the following substances will have a strongest intermolecular forces?
A) Water B) Paper C) Mercury metal D) Air

29. The natural source of alkanes is__
A) petroleum B) natural gas C) Both a and b D) None of these

30. Which of the following gases is found in coal mines?
A) Methane B) Propane C) Ethane D) Butane

MATHEMATICS

31. Find the sum of first 20 natural number?
A) 190 B) 210 C) 305 D) 107

32. Divide 0.42 by 0.007 is equal is to
A) 600 B) 60 C) 6000 D) None of these

33. Find the sum of largest and smallest fraction in 3/7,11/13,6/11,7/8 and 5/9
A) 75/56 B) 73/56 C) 71/34 D) 75/48

34. Find the sum of first 12 multiples of 9?
A) 701 B) 702 C) 703 D) 704

35. If x/y=3/2 find the value of x^2+y^2/x^2-y^2
A) 1 1/5 B) 2/3 C) 1 ½ D) 2 3/5

36. Find the square root of 1.8225
A) 1.35 B) 1.75 C) 0.95 D) 1.15

37. 6 ¼% of 1600 + 12 ½% of 800 is equivalent to
A) 100 B) 200 C) 300 D) 400

38. The price of an article is first increased by 20% and later price was decreased by 25% due to reduction in sales. Find the net percentage change in final price of article?
A) 10% decrease B) 20 % increase
C) 5% increase D) 12% decrease

39. The average of odd numbers from 1 to 70 is
A) 35 B) 34 C) 34.2 D) 36

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40. What is the ratio of 80 paise and Rs. 5
A) 2:25 B) 4:35 C) 4:25 D) 6:35

41. Calculate the simple interest on Rs.7200 at 12 ¾% per annum for 9 months?
A) 700 B) 688.5 C) 710.5 D) 680

42. 15 men complete a work in 16 days. If 24 men are employed then the time required to complete that work will be
A) 7 days B) 8 days C) 10 days D) 12 days

43. The speed of the two trains are in the ratio 6:7. What is the ratio of time taken by these train to travel the same distance?
A) 7:6 B) 3:2 C) 2:3 D) 6:7

44. A number when added to its two third is equal to 35. Find the number?
A) 21 B) 20 C) 22 D) 23

45. If the diagonal of a square is doubled to make the diagonal of another square. Find the area of new square?
A) 4 x old area B) 2 x old area C) 3 x old area D) 5 x old area

REASONING

46. 2,12,36,80,150
A) 252 B) 180 C) 360 D) 185

47. Wine: Grape::Vodka:?
A) Apple B) Potatoes C) Oranges D) Flowers

48. If code for BLOOD is EIRLG then what will be code for PERIOD?
A) SBURAF B) SBUFRA C) SUFBAR D) RBUFSA

49. Pointing to a photograph of a girl Rajan said "She has no sister or daughter but her mother is the only daughter of my mother. How is the girl in the photograph related with Rajan's mother?
A) sister-in-law B) grand daughter
C) cannot be determined D) none of these

50. A walks 3 km northward and then he turns left and goes 2 km. He again turns left and goes 3 km. He turns right and walks straight. In which direction is he walking now?
A) East B) West C) North D) South

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Answer Key

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

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