SOLDIER TRADESMAN

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

PASS MARKS : 32 **MODEL TEST :** 24

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. Where India's first cotton textile mill was established__
   A) Surat B) Mumbai C) Chennai D) Kolkata

2. Which is largest man made lake?
   A) Wular B) Chilka C) Udai Sagar D) Govind Sagar

3. Who founded the Gupta dynasty?
   A) Samudra Gupta B) Sri Gupta
   C) Vikramadithya Gupta D) Chandragupta

4. The Muslim Ruler of Delhi
   A) Qutub Uddin Aibak B) Iltutmish
   C) Bahadur shah D) Babur

5. Who is custodian of fundamental rights?
   A) President B) Prime Minister C) Supreme court D) Governor

6. One third of Rajya Sabha member retire every __
   A) year B) two years C) three years D) four years

7. Bharat Ratna was first awarded in the year?
   A) 1920 B) 1940 C) 1950 D) 1954

8. Arjuna awards is given to__
   A) Sportspersons B) Poets C) Scientists D) Actors

9. The first space craft to reach mars__
   A) Columbia B) Voyager C) New Horizons D) Viking I

10. The first Indian to join the ICS was__
    A) Romesh Dutt B) Surendranath Bannerjee
    C) Behari Lal Gupta D) Sathyendranath Tagore

11. Land of Rising Sun__
    A) Japan B) China C) India D) Sri Lanka

12. Jamshedpur is also known as___
    A) Steel city B) City of Joy C) City of Temples D) Golden City

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY

13. Where is Vikram Sarabhai Space Center located?
A) Thiruvananthapuram B) Ahmedabad C) Thumba D) Mumbai

14. Who is the author of the book 'Guide'?
A) VS Naipaul B) RK Narayan
C) Rabindranath Tagore D) Chales Dickens

15. Which metal is not known to Indus Valley people?
A) Gold B) Silver C) Bronze D) Iron

GENERAL SCIENCE

16. The distance travelled and the magnitude of displacement are equal, when body moves in
A) a straight line B) a circle C) a square D) projectile

17. The measure of inertia is__
A) density B) pressure C) mass D) force

18. The persistence of a sound in a big hall due to repeatedreflection from walls ceiling floor is known as__
A) echo B) ultrasound C) reverberation D) superposition

19. When a strong beam of light is passed through a colloidal solution the light is__
A) be scattered B) pass unchanged C) be absorbed D) be reflected

20. The phenomenon of light associated with the appearance of blue colour of the sky?
A) interference B) reflection C) refraction D) scattering

21. The least distance of distinct vision for eye?
A) 25 cm B) 20 cm C) 50 cm D) 27 cm

22. How much work is done in moving a charge of 3 C across two points having a potential difference of 15 V?
A) 15 J B) 3 J C) 45 J D) 50 J

23. In all electric appliances the switches are put in the ___
A) live wire B) earth wire C) neutral wire D) All of these

24. Which of these will not experience force in magnetic field?
A) Moving change B) Bar Magnet
C) Stationary charge D) Current carrying conductor

25. Which of the following has magnetic field like that of bar magnet?
A) Current carrying wire B) Current carrying ring
C) Current carrying solenoid D) Current carrying rectangular loop

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY

26. Fog is an example of which of the following type of colloid?
A) Emulsion B) Aerosol C) Gel D) Foam

27. The dispersed phase and dispersion medium in shaving cream are respectively?
A) solid and gas B) liquid and gas
C) gas and liquid D) gas and solid

28. Which of the following hydrocarbon have only one structure?
A) Methane B) Ethane C) Propane D) All of these

29. The gas used for artificial ripening of green fruit?
A) acetylene B) ethylene C) ethane D) carbon di oxide

30. Alkanes are inert under normal conditions. They do not react with
A) acids B) bases C) Both a and b D) None of these

MATHEMATICS

31. Find the sum of square of first 9 natural number?
A) 855 B) 560 C) 320 D) 644

32. Out of fractions 4/7,5/13,6/11,3/5 and 2/3 which is the second smallest fraction
A) 4/7 B) 5/13 C) 6/11 D) 3/5

33. What is remainder when 75^3 is divided by 4?
A) 1 B) 4 C) 3 D) 2

34. Find the square root of 156816
A) 396 B) 398 C) 496 D) 394

35. $3^5 /9^{-1}$ is equal to__
A) 3^6 B) 3^7 C) 9^6 D) 2^3

36. Simplify: $(97)^3 - (47)^3/(97)^2 + (97)(47) + (47)^2$
A) 50 B) 144 C) 40 D) None of these

37. If a/b=5/4 then find the value 8a+3b/8a-3b
A) 1 2/3 B) 6/7 C) 1 6/7 D) 2 3/5

38. If X is 10% more than Y then by what percent is Y less than X?
A) 9 1/11 B) 7 1/11 C) 8 1/11 D) 10 1/11

MUPPADAI TRAINING ACADEMY - VELLORE TRICHY

39. The percentage change in a number when it is decreased by 10% and then increased by 10%?
A) 0.1% increase B) 1% decrease
C) 0.1% decrease D) No change

40. The average of first 100 positive integers is__
A) 100 B) 57 C) 50.5 D) 49.5

41. The sum of three numbers is 315. If ratio between 1 st and 2 nd is 2:3 and the ratio between 2 nd and 3 rd is 4:5, then find the 2 nd number?
A) 170 B) 108 C) 84 D) 115

42. A sum of money on a certain time at 10% rate becomes 3 ½ times . Now at what rate percent it becomes 2 ½ times on that given time?
A) 5% B) 6% C) 7% D) 18%

43. If 3 men or 4 men can reap a field in 43 days. How long will 7 men and 5 women take to reap it?
A) 3 days B) 7 days C) 12 days D) 15 days

44. A person goes to 215 km in 5 h What is the speed of person in km/h?
A) 43 B) 45 C) 40 D) 39

45. The ratio of ages of two persons is 5:9 and the age of one them is greater than the other by 40 year. The sum of their ages in year is__
A) 140 B) 180 C) 150 D) 160

REASONING

46. Complete the series
3,14,36,80
A) 172 B) 176 C) 168 D) 184

47. House: Room::World:?
A) Land B) Sun C) Air D) Nations

48. If MIND becomes KGLB then what will be the code for DIAGRAM
A) GLPEYKB B) BGYEPYK C) LKBGYPK D) BGYPYEK

49. A is D's brother. D is B's father. B and C are sister. How is A related to C?
A) Son B) Grandson C) Father D) Uncle

50. I go 10m towards east, then I turn towards north and cover 20m and then I turn right and go 10m. In which direction am I from starting point?
A) North B) North-East C) South D) South-West

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY

SOLDIER TRADESMAN

Answer Key

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

MUPPADAI TRAINING ACADEMY - VELLORE, TRICHY