ENTRANCE EXAMINATION -VII

DEFENCE CAREER ACADEMY, AURANGABAD.

As an ISO 9001 : 2008 - Certified

ENT : 2016	SR. NO.
TIME ALLOWED : 1.30 HOURS	TOTAL MARKS : 100

QUESTION - BOOKLET

GENERAL INSTRUCTIONS

* *Read instructions given below carefully for solving this question paper.*

1. This question paper has 90 questions. Each question carries 1 mark.

2. **Last** two descriptive questions are **compulsory**. They carry 5 marks each.

3. There is a separate answer-sheet to write the answers. Each question has four options. Options are ABCD out of the four any one of the options is the correct answer. Shade the correct answer in the answer-sheet.

Example : If the correct answer for Q. NO **6**.is **B**, then record your answer as follows:

Question No. 6　　　○ ● ○ ○
　　　　　　　　　　　A B C D

4. Answer recorded in any other from will not be considered. Such answers will be marked 'zero'.

Example :　　　⊖ ◓ ◕ ⊘
　　　　　　　A B C D

5. Answer should be written using a pencil only. Blue or black ball pen or ink-pen will not be accessed.

6. Answers once marked cannot be changed or rewritten.

7. Any kind of cancellation or answers recorded marked in more than one circle will not be considered.

8. The exam has limited time, in case you are not able to solve a question, kindly solve the next question. If time permits you can try to solve the unsolved questions.

9. Essay must be written at the back portion of the Answer paper.

10. Result of this examination will be displayed on the Notice Board.

11. Do not write or mark anything on the question paper.

Q.1. to 6 : Read the following passage carefully and answer the questions choosing the correct option.

PASSAGE – I

Vinoba Bhave, usually associated with the Bhoodan movement was named Vinayak at birtt. He was a good student and especially good in Mathematics, but all his study could not quench his restless spirit. He was greatly influenced by Gandhiji, and in 1921 took charge of the Ashram at Wardha. He was involved wholeheartedly in the Khadi movement and in the movement to bring social equality to the Harijans. He was jailed several times for speaking out against British injustice. In 1941, Vinoba Bhave, relatively unknown to the nation, was chosen by Gandhiji to be the first Individual Satyagrahi.

1. Which social activity was Vinoba Bhave closely associated with?

    (a) Social justice for the Harijans   (b) Freedom from the British

    (c) Satyagraha   (d) Administration of the Ashram

2. It was the responsibility of the Individual Satyagrahi to ....

    (a) give up all earthly comforts

    (b) plan violent actions against the british

    (c) offer satyagraha at a personal level

    (d) work for the improvement of the condition of Harijans.

3. In which year Vinoba was chosen by Gandhiji.

    (a) 1941   (b) 1945

    (c) 1957   (d) 1921

PASSAGE – II

Dadabhai Naoroji was born on 4 September, 1825. He was a tireless worker and always sought to convey the needs and aspirations of his countryment to Great Britain. His message to his countrymen was 'Never despair, whatever may happen'. While conferring a Doctor of Law degree on Dadabhai in 1916 the Vice-Chancellor of Bombay University, an Englishman, said "...... and today we pay tribute to Dadabhai Naoroji's patience under adversities and disappointments, to his unwearied perseverance in the maintenance of his convictions and to the unselfish love of his country and nation which inspired him throughout his many conflicts."

4. What message did Dadabhai Naoroji give to his countrymen?

    (a) Swaraj is my birthright.

    (b) Never Despair.

    (c) Love your Country and Nation.

    (d) Work tirelessly

5. 'To pay tribute to' means-

    (a) to show respect to   (b) to commemorate

    (c) to pay compliments to   (d) to admire

6. Which digree was confere to Dadabhai Naoroji ?

(a) Doctor of Law (b) Doctor of Litrature

(c) Doctor of Education (d) Doctor of Science

Instruction : Identify the rhyming word for :

7. toss

a) dream b) flower c) class d) one

8. hide

a) loid b) run c) flower d) side

Instruction : Identify the noun :

9. She was living with her grandparents in Kulu-Manali.

a) She b) living c) Kulu-Manali d) with

Instruction : Identify the Pronoun :

10. We were watching a movie.

a) We b) movie c) were d) watching

Instruction : Identify the Adjective :

11. Kiran is the honest man of the academy.

a) kiran b) academy c) honest d) the

Instruction : Identify the Verb :

12. Have you posted the letter?

a) posted b) letter c) have d) you

Instruction : Identify the Gender :

13. Table

a) masculine b) feminine c) Neutral d) none of these

14. mare

a) masculine b) feminine c) neutral d) none of these

Instruction : Identify the Plural number :

15. furniture

a) furnitures b) furniture c) furnituress d) furnit

16. man

a) mans b) men c) mens d) man

Instruction : Find the word with correct spellings.

17. a) adjacent b) adjacint c) adjasent d) adjecent

18. a) wrating b) wriiting d) writting d) writing

Instruction : Give the synonyms of :

19. mob

    a) movement   b) stop   c) wipe   d) crowd

20. industrious

    a) factory   b) careless   c) hardworking   d) lazy

21. humid

    a) cold and wet   b) hot and dry   c) warm and wet   d) cold and dry

22. ability

    a) curt   b) capacity   c) criticize   d) courage

23. encourage

    a) excited   b) insane   c) error   d) inspire

Instruction : Give the Antonyms of :

24. Vacant

    a) false   b) empty   c) occupied   d) close

25. open

    a) full   b) close   c) small   d) true

26. Loved

    a) refused   b) defamed   c) hated   d) averted

27. Outwit

    a) laugh   b) defeat   c) victory   d) win

28. Dull

    a) pale   b) wise   c) shining   d) colourful

Instruction : Arrange the proper Alphabetical order :

29. 1) stress   2) straight   3) stratagy   4) storage

    a) 3412   b) 4231   c) 4321   d) 2341

Instruction : Find the Odd man out :

30. tree, table, home, mountain

    a) tree   b) table   c) home   mountain

31. The greatest 4 digit number using digit 7, 8, 9, 4

    a) 9784   b) 9874   c) 9847   d) 8974

32. Write the numeral eighty four thousand fifty three.

    a) 84533   b) 84353   c) 84053   d) 84530

33. L.C.M. of 12, 8

    a) 2   b) 4   c) 6   d) 8

34. H.C.F of 24, 30

    a) 6   b) 12   c) 120   d) 60

35. Diameter = ... x radius

    a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) 2   d) 4

36. .... is the largest chord of a circle

    a) radius   b) diametere   c) length   d) breadth

37. Angle larger than right angle but less than straight angle

    a) acute angle   b) right angle   c) obtuse angle   d) straight angle

38. - 21 + 5 = ...

    a) 26   b) 16   c) -26   d) -16

39. $\frac{1}{2} + \frac{5}{8}$

    a) $\frac{6}{10}$ b) $\frac{6}{16}$ c) $\frac{18}{16}$ d) $\frac{6}{4}$

40. $\frac{4}{8}$ = ...

    a) $\frac{10}{5}$ b) $\frac{5}{10}$ c) $\frac{6}{9}$ d) 9

41. $\frac{5}{6} = \frac{35}{\square}$

    a) 42   b) 30   c) 7   d) 36

42. 0.4 + ... = 1

    a) 0.7   b) 0.2   c) 0.6   d) 0.8

43. Four hundredth = ...

    a) 0.4   b) 0.44   c) 0.04   d) 0.004

44. 0.5 cm = ... mm

    a) 5   b) 50   c) 500   d) 0.05

45. 1467 gram = ... kg

    a) 14.67   b) 1.467   c) 146.7   d) 14670

46. 217 ml = ... Litres

    a) 0.217   b) 2170   c) 02.17   d) 21.7

47. Write perimeter of triangle whase two sides are 45 cm & third side is 50 cm.

    a) 145 cm   b) 135 cm   c) 140 cm   d) 95 cm

48. a + 2 = 8 then a = ?

    a) 6   b) 10   c) 4   d) 16

49. Ratio of 30 minute to 3 hour

   a) 1 : 12   b) 1 : 6   c) 1 : 3   d) 1 : 9

50. If 2Y - 1 = 11 then value of Y is ....

   a) 12   b) 24   c) 6   d) 18

51. Which is the largest number

   a) 98900   b) 98899   c) 98999   d) 99990

52. 9899 ☐ 9879

   a) <   b) =   c) >   d) none of these

53. Complete next numbers

   36, 45, 55, 66, 78, ...

   a) 90   b) 91   c) 92   d) 93

54. By adding 0 to any whole number the sum is always.

   a) different number   b) an even number   c) the same number   d) an odd number

55. The biggest multiple of 4 that is less than 100

   a) 98   b) 96   c) 94   d) 92

56. $\dfrac{5}{6}$ ☐ $\dfrac{15}{18}$

   a) >   b) <   c) =   d) None of these

57. The fraction which is equivalent to the fraction $\dfrac{5}{8}$

   a) $\dfrac{25}{40}$ b) $\dfrac{20}{30}$ c) $\dfrac{30}{40}$ d) $\dfrac{35}{49}$

58. Write the numbers 3 tenths, 5 ones

   a) 53   b) 35   c) 5.3   d) 3.5

59. Write as decimal. $\dfrac{649}{10}$ = ...

   a) 6490   b) 6.49   c) 0.649   d) 64.9

60. The store has 450 small lamps & total of 980 lamps. How many of the lamps are big?

   a) 430   b) 630   c) 330   d) 530

61. .... can be recycled to get useful product.

   a) Plastic   b) air   c) Wood   d) Wax

62. .... is celebrated as world water day.

   a) 22nd March   b) 21st March   c) 5th June   d) 3rd May

63. .... is rich source of vitamin C

   a) Milk   b) Amla   c) Tyrmeric   d) Mango

64. .... is a natural fibre.

a) Cotton   b) Tericot   c) Nylon   d) Polyster

65. ....… body tapers at both ends.

a) streamline   b) Oval   c) Cylendrical   d) Friangular

66. .... discovered in mangesia (greecee)

a) Magma   b) Magnet   c) Metal   d) Gold

67. .... travels in straight line.

a) Temprature   b) Light   c) heat   d) vapour

68. .... is transparent in nature.

a) Glass   b) Plastic   c) butterpaper   d) Metal

69. .... is the unit of length in SI unit.

a) Kilometre   b) Centimeter   c) meter   d) Span

70. Sun is .... object.

a) Opaque   b) Transparent   c) luminious   d) Translucent

71. .... is mixture of gases.

a) Water   b) Alloy   c) Soil   d) Air

72. Amount of Nitrogen present in air is .... percent.

a) 2%   b) 19%   c) 78%   d) 0.19%

73. Burning can occur only in the presence of ....

a) hydrogen   b) Nitrogen   c) Neon   d) Oxygen

74. Metals are .... conductors of electricity.

a) bad   b) better   c) Good   d) semi

75. The envelope of air that surrounds the earth is known as ....

a) atmosphere   b) Troposphere   c) stratosphere   d) Biosphere

76. How many times is the letter 'p' repeated in the sentence: 'Peter Piper Picked a pick of pickled pepper popcorn'?

a) Six   b) Eleven   c) nine   d) ten

Direction : Write the number of the term that does not belong to the group:
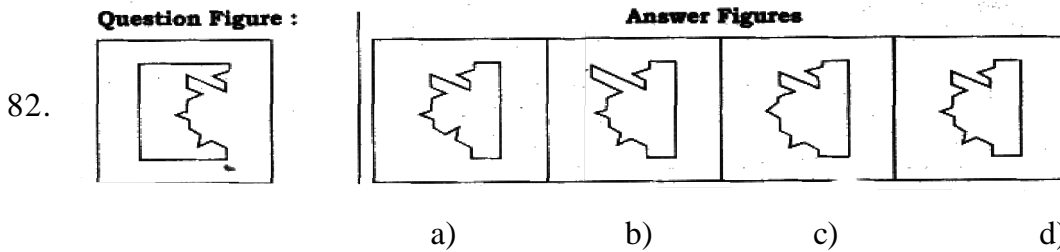
77. a) 11   b) 17   c) 19   d) 22

78. a) 64   b) 49   c) 81   d) 27

79 . C, E, H, L, Q, W, ?

a) A   b) B   c) C   d) D

Direction :Find the odd man out.

80. a) Crow   b) Ostrich   c) Parrot   d) Sparrow
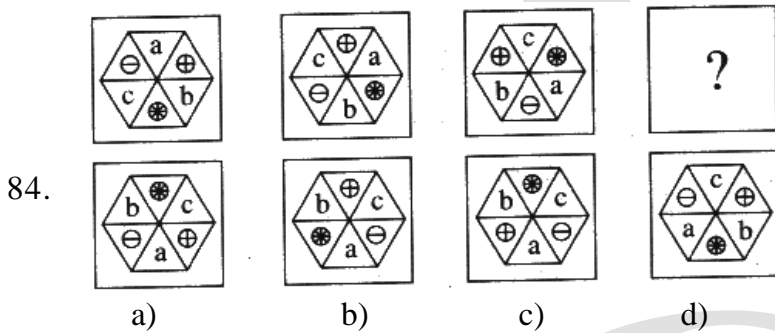
81. a) rabbit   b) hen   c) dove   d) tortoise

Direction : Complete the incomplete figure by choosing the correct alternative:
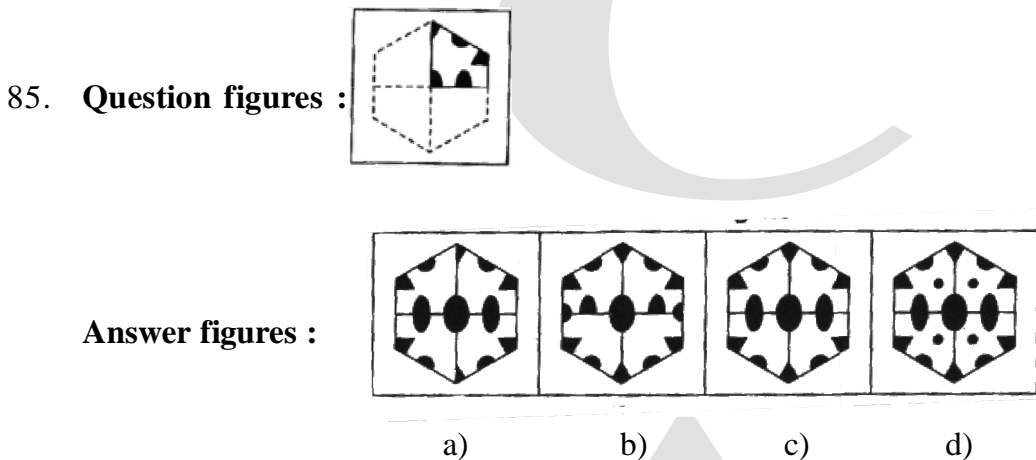
82.

a)   b)   c)   d)

Direction : Find out the number which will occur at the place of question mark, in given below:

83. 13 26 39 52 ?

a) 30   b) 37   c) 65   d) 57

Direction : In the following questions find the correct alternative to replace the question mark:

84.

a)   b)   c)   d)

Direction : Which figure will be formed when the question figure is folded on the dotted line ?

85. **Question figures :**

Answer figures :

a)   b)   c)   d)

86. Instead of multiplying a number by 10 and then dividing by 5. Ritika divided the number by 10 and then multiplied by 5. She obtained 25 as the answer. What should be the actual answer?

a) 50   b) 100   c) 10   d) 5

Direction : Completion of Given Number.

87. 7, 28, 49, 70, 91, 112, ___

a) 135   b) 134   c) 133   d) 130

88. 7, 12,19, 28, 39, ___

   a) 49   b) 57   c) 50   d) 52

Direction : Choose the word which is least like the other words in the group?

89.   a) Ear   b) Lung   c) Eye   d) Heart

90. Spot the stranger, in the following group.

   a) Rose   b) Lotus   c) Marigold   d) Lily

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*   Descriptive question (Compulsory)

1.   Write an essay on any one of the following.   **10 M**

   I) Save water

   II) Child labour

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