

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO



ENTRANCE EXAMINATION -VTH
DEFENCE CAREER ACADEMY,
AURANGABAD.

As an ISO 9001 : 2008 - Certified

ENT : 2014

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 form 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.

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Instruction : Identify the Noun :

9. Ganesh jumped happily and started dancing.
a) Happily b) Ganesh c) dancing d) Started

Instruction : Identify the Pronoun :

10. Sunita told her to return by evening.
a) Sunita b) Told c) Her d) evening

Instruction : Identify the Verb :

11. Open the door.
a) The b) Door c) Open d) None of these

Instruction : Identify the opposite genders for :

12. Cow
a) Bull b) Cow c) Mare d) Bitch
13. Antelope
a) Mare b) Cow c) Deer d) ewe

Instruction : Identify the correct 'plural' from of the words below.

14. Man
a) Mans b) Manes c) Men d) Mens
15. Branch
a) Branches b) Branchs c) Buke d) Bronch

Instruction : Find the word with correct spellings.

16. a) Ear b) Aer d) Aear d) None of these
17. a) National b) Natenal c) Nationle d) Nationl

Instruction : Give the synonyms of :

18. Plenty
a) Luxurious b) Delicious c) A lot of d) Tasty
19. Decline
a) Disfigure b) Destroy c) Disseminate d) Dissipate
20. Debate
a) Discount b) Gift c) Commission d) Argue
21. Worst
a) Manifest b) Bad c) Obvious d) Daring

Instruction : Give the Antonyms of :

22. She has been **insulated** from the harsh realities of the world but now she is all kinds of hardship
a) Used to b) Worried about c) Exposed to d) Troubled by
23. He holds **strange** views on taxation, but there are others whose views are
- a) Plain b) Queer c) Refined d) Moderate
24. He **never** drive to work, he walks.
a) Always b) Sometimes c) Seldom d) Often
25. What one considers may be **good** to another .
a) Virtue b) Vice c) Courtesy d) Kindness

Instruction : Arrange the correct alphabetical order.

26. 1) Those 2) That 3) Thesis 4) There
a) 3421 b) 2431 c) 2314 d) 1432

27. **The third word** - rain, reign, rein, raven

- a) Rain b) reign c) Rein d) raven

Instruction : Find the odd man out form the following

28. a) Milk b) thusday c) curd d) Ghee
29. a) Monitor b) Flower c) Keyboard d) Mouse
30. a) Pink b) Wheat c) bajra d) Jowar

31. Rewrite the following numbers in Devnagari Script : 73049

- a) 96935 b) 16953 c) 73049 d) 19635

32. $5 \times 2 + 4 = ?$

- a) 12 b) 14 c) 15 d) 24

33. What is the expanded form at 909990 ?

- a) $900000 + 90 + 9000 + 9$ b) $9000 + 90 + 90000 + 900$
c) $900 + 9 + 90000$ d) $90 + 9000 + 900000 + 900$

34. $7 \times 3 + 9 - 12 = ?$

- a) 14 b) 18 c) 17 d) 16

35. $120 < 123 < 210 < 313$ Which will be the third number if the sequence given above is reversed?

- a) 210 b) 120 c) 123 d) 213

36. If the numbers 50055, 50555, 50550, 50505 are arranged in the ascending order which will the second number.

- a) 50055 b) 50550 c) 50505 d) 50555

37. How many odd numbers are their in between 2 to 18 ?

- a) 5 b) 10 c) 4 d) 8

38. If x is an odd number, what will be the next odd numbers ?

- a) $2x$ b) $x + 1$ c) $x + 2$ d) $2x + 2$

39. How many two-digit prime numbers are there between 10 and 50?

- a) 12 b) 11 c) 13 d) 10

40. Which of the following numbers is a perfect square ?

- a) 130 b) 125 c) 144 d) 660

41. $69999 + 1 = ?$

- a) 79999. b) 79910. c) 70000. d) 79990.

42. If $x - 12 = 12$, then which number should be in the answer?

- a) 28 b) 144 c) 24 d) 26

43. $45 + \boxed{?} = 65$

- a) 19 b) 36 c) 18 d) 20

44. What digit should be put in the $16? + 224 = 386$

- a) 2 b) 4 c) 3 d) 6

45. $15B \times 2W = ?$
 a) 30B b) 30W c) 30BW d) 30
46. What is the product of 25 and 5?
 a) 525 b) 20 c) 125 d) 30
47. If $125 \div 5 = ?$
 a) 25 b) 18 c) 10 d) 15
48. $10 \div \boxed{?} = 2$ Which of the following numbers would come in place of question mark?
 a) 4 b) 5 c) 3 d) 2
49. Which of the following number does not have a remainder, when divided by 8 ?
 a) 73 b) 64 c) 42 d) 81
50. Which of the following numbers is divisible by all the three numbers 2, 4 and 6 ?
 a) 72 b) 74 c) 89 d) 67
51. If $\frac{12}{7} - \frac{5}{7} = ?$
 a) $\frac{17}{7}$ b) $\frac{7}{17}$ c) $\frac{12}{7}$ d) 1
52. Which of the following is the correct method for the subtraction of $\frac{13}{3} - \frac{5}{3} ?$
 a) $\frac{5 \times 4}{9 \times 9}$ b) $\frac{5+4}{9+9}$ c) $\frac{13-5}{3}$ d) $\frac{5-4}{9}$
53. Convert the improper fraction $\frac{14}{3}$ into a mixed number.
 a) $1 \frac{3}{5}$ b) $4 \frac{2}{3}$ c) $3 \frac{1}{3}$ d) $2 \frac{5}{3}$
54. What is the correct pair of mixed number converted to improper fraction out of alternatives given below?
 a) $9 \frac{3}{4} = \frac{42}{5}$ b) $10 \frac{7}{9} = \frac{97}{9}$ c) $3 \frac{1}{9} = \frac{25}{9}$ d) $20 \frac{4}{8} = \frac{205}{8}$
55. 25 m = ----- cm.
 a) 35 b) 250 c) 2500 d) 35000
56. 8 kg = ----- gm.
 a) 80 b) 800 c) 8000 d) 80000
57. How many sides does a square have ?
 a) 4 b) 3 c) 2 d) 5
58. How many triangles does the accompanying figure contain?



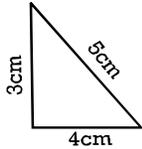
a) 4

b) 5

c) 6

d) 7

59. What is the perimeter of given figure?



- a) 12 cm b) 9 cm c) 8 cm d) 7 cm

60. What is the perimeter of a square having length of the side 4 cm?

- a) 6 cm b) 12 cm c) 16 cm d) 8 cm

61. Which letters occur 7 times and 3 times respectively in the following words?

BAT, BUBBLE, ZEBRA, RABBIT.

- a) A,B b) E,B c) B,A d) B,E.

62. Number sequence : 8, 3, 4, 7, 8, 5, 2, 3, 8, 3, 6, 9, 8, 3, 2, 8

In the above sequence, how many times does it occur that an even number immediately follows an odd number ?

- a) Four times b) Three times c) Five times d) Seven times

Direction : ABCD EFGH IJKL MNOP QRST UVWX YZ

63. Pick out the 15th letter from left and 2nd letter from right from the above given alphabetical order to form a correct word.

- a) ON b) OY c) NW d) XO

64. Find the odd man out :

- a) Sitar b) Guitar c) Trumpet d) Banjo

65. a) Moon b) Mars c) Saturn d) Venus

Direction : Find the odd figure out of the given alternatives.

66. a) b) c) d)

Direction : Find the odd man out from the figures given in each question below :

67. a) 12 b) 36 c) 48 d) 61

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

68. 4, 7, 13, 25?

- a) 59 b) 57 c) 49 d) 47

Direction : Find the missing figure in the series given below :

69. Question figure : a) b) c) d)

Direction : Find the missing term in the series :

70. LLLKKK, LLKKKL, LLKKLL, ?

- a) LLLKKK b) KKKLLL c) KKLLKL d) KLLLKK

Direction : Identify the wrong term in the given series:

71. 12, 24, 35, 48, 60

- a) 12 b) 24 c) 35 d) 60

Direction : In the following series, which letters should replace the blank space or question mark?

72. ab?ba?aba??b

- a) baab b) abba c) aabb d) abab

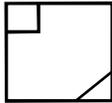
73. Cow, snail, dog, deer and tortoise participated in a running competition. In the order of their speeds, who will be the last?

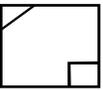
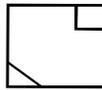
- a) Tortoise b) Snail c) Cow d) Dog

74. Pictures of four animals, an elephant, a tiger, a deer and a monkey are hung in the same order on a wall. Which picture will be at the 30th place?

- a) Elephant b) Tiger c) Deer d) Monkey

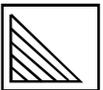
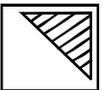
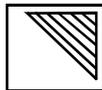
Direction : If you hold the following question figures on water, what will the water reflection be?

75. Question figure : 

- Answer figure :  a)  b)  c)  d)

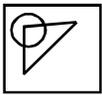
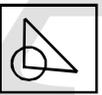
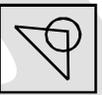
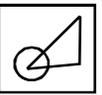
Direction : If you hold the following question image in front of a mirror, what will the mirror image be ?

76. Question figure : 

- Answer figure :  a)  b)  c)  d)

Direction : Find the mirror image of the question figures below :

77. Question figure : 

- Answer figure :  a)  b)  c)  d)

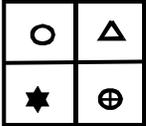
Direction : Find the word in the place of question mark?

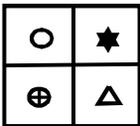
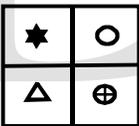
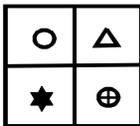
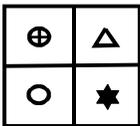
78. flower : garden :: student : ?
 a) books b) classroom c) school d) ground
79. Subhash Chandra Bose : Netaji :: Mohandas Karamchand Gandhi :
 a) Mahatma b) Lokmanya c) Panditji d) Sardar

Direction : Find the number in the place of question mark.

80. 144 : 121 :: 49 : ?
 a) 36 b) 25 c) 29 d) 64

Direction : Out of the given group of figures find out an exact similar figure to the given question figure:

81. Question figure : 

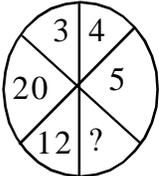
Answer figure :    

a) b) c) d)

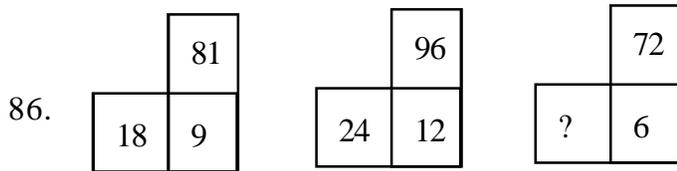
Direction : In each question below, there is a problem. It can be seen from these problems, how do you think and react? There are four alternatives given below the question. Find out the correct or proper alternative.

82. Shahid is taller than Salman, Salman is taller than Krishna, Yayati is taller than Shankar. Shankar is taller than Salman. Who is the short among them?
 a) Shahid b) Salman c) Krishna d) Shankar
83. A,B,C,D and E are sitting circular facing to the centre. C is sitting just left to E. A. is sitting between D and E. Who is sitting just left to C?
 a) E b) B c) C d) D
84. Today is 1st April suppose. After five days the day will be Sunday. This running year is a Leap year. What was the day on 1st December of this year.
 a) Sunday b) Monday c) Tuesday d) Saturday

Direction : In the following table which number from the alternatives will fit in the blank place?

85. 

a) 3 b) 4 c) 6 d) 27

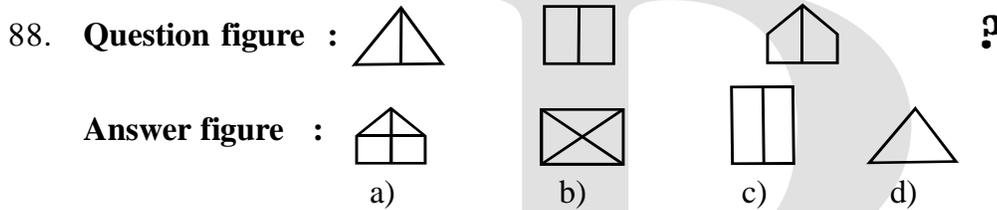


- a) 10 b) 12 c) 16 d) 18

Direction : Find the words which is not belong to the following groups:

87. a) Morning b) Evening c) Afternoon d) Day

Direction : Find the figure that belongs to the following group :



Direction : Find the number that fits in the given group of numbers :

89. 1, 4, 9, 16, 25, 36, ?
 a) 49 b) 37 c) 39 d) 81
90. 13, 27, 55, 111, ?
 a) 222 b) 223 c) 225 d) 228

■ Descriptive question (Compulsory)

1. **Essay writing on any one topic. (any one in 150 Words)** 5 M
 1. My School 2. My Teacher
2. **Write about yourself. (150 Words)** 5 M