

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



**ENTRANCE EXAMINATION - VI**  
**DEFENCE CAREER ACADEMY,**  
**AURANGABAD.**

**As an ISO 9001 : 2008 - Certified**

**ENT : 2015**

**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.

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**Q.1. to 4 : Read the following passage carefully and answer the questions choosing the correct option.**

An Englishman living near Sheffield had a most unlucky day's fishing. He was standing on a low bridge when he had the misfortune to knock his tin of bait into the river. Leaning over the side of the bridge, he tried to hook the tin and pull it out of the river. As he did so, his car keys fell out of his pocket and disappeared in the water. Feeling thoroughly annoyed with himself and his luck, the fisherman landed over the bridge to try to see where his keys had gone. As he did so, the bridge collapsed and he fell into the river, this was the last straw. The fisherman crawled out of the river, and went back to his car. There he discovered that he had locked the doors and could not get in. His anti-theft lock had immobilized his car. There was nothing left for him to do but walk sadly home.

1. The Englishman felt annoyed with himself because
  - (a) he knocked his tin of bait and dropped the car keys into the river
  - (b) the bridge on which he was standing was low
  - (c) he was leaning over the side of the bridge and trying to hook the tin
  - (d) his tin of bait and car keys were not visible from the bridge
2. How did the tin of bait get into the river?
  - (a) There is not mention of it in the passage
  - (b) It fell in when the bridge broke
  - (c) The fisherman knocked it in accidentally
  - (d) It fell in when the fisherman fell in
3. When did the fisherman first lean over the bridge?
  - (a) When it broke
  - (b) When the bait fell in
  - (c) When his keys fell in
  - (d) Soon after fishing
4. What was the last straw according to the passage?
  - (a) The collapse of the bridge
  - (b) The loss of his bait
  - (c) The loss of his car keys
  - (d) His inability to get into the car

**\* 5 to 8 : Read the following passage carefully and answer the questions choosing the correct option.**

It the census tells us that India has two or three hundred languages, it also tells us, I believe that Germany has about fifty or sixty language, I do not remember anyone pointing our this fact in proof of the disunity or disparity of Germany. As a matter of fact, a census mentions all manner of petty languages, sometimes spoke by a few thousand persons only; and often dialects are classed for scientific purposes as different languages. India seems to me to have surprisingly few languages, considering its area. Compared to the same area in Europe, it is far more closely allied in regard to language, but because of widespread illiteracy, common standards have not developed and dialects have formed. The principal languages of India are Hindustani [of the two varieties, Hindi and Urdu], Bengali, Gujrati, Marathi, Tamil, Telugu, Malayalam and Kannada. If Assamese, Oriya, Sindhi, Kashmiri, Pushtu and Punjabi are added, the whole country is covered except from some hill and forest tribes. Of these, the Indo-Aryan languages, which cover the whole north, centre and west of India, are closely allied: and the southern Dravidin languages, though different, have been greatly influenced by Sanskrit, and are full of Sanskrit words.

5. One of the reasons why there are many dialects in India is
  - (a) illiteracy
  - (b) population
  - (c) more communities
  - (d) vast area

6. In the passage the author  
 (a) defends the multilingual situation of India (b) classifies the Indian languages  
 (c) compares India with Germany (d) criticises the illiteracy in India
7. Which one of the following statements according to this passage is true?  
 (a) India has as many languages as Europe does  
 (b) India is a vast country with not too many languages  
 (c) Indian languages are not as well developed as those of Europe  
 (d) India has far too many languages
8. The Dravidian languages have been greatly influenced by Sanskrit. This  
 (a) makes them superior to the Indo-Aryan languages  
 (b) makes them very inferior to the Indo-Aryan languages  
 (c) makes them close to the Indo-Aryan languages.  
 (d) brings them close to the Indo-Aryan languages

**Instruction : Identify the noun :**

9. She asked conductor all that had happened.  
 a) she                                      b) asked                                      c) conductor                                      d) all

**Instruction : Identify the pronoun :**

10. He is a young super star.  
 a) star                                      b) he                                      c) is                                      d) a

**Instruction : Identify the Adjective :**

11. They are too honest.  
 a) they                                      b) are                                      c) too                                      d) honest

**Instruction : Identify the Verb :**

12. The window glass needs cleaning.  
 a) window                                      b) glass                                      c) needs                                      d) cleaning

**Instruction : Pick the correct option that will change the gender of the given word**

13. host  
 a) waterier                                      b) hoist                                      c) hostess                                      d) waitres
14. fox  
 a) dogs                                      b) vixen                                      c) bitch                                      d) mare

**Instruction : Identify the plural form of noun :**

15. tooth  
 a) tooths                                      b) teeth                                      c) toothes                                      d) toex
16. mouse  
 a) mouses                                      b) mice                                      c) mices                                      d) mousess

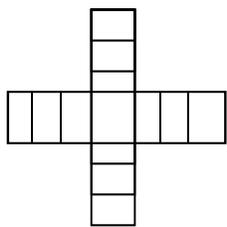
**Instruction : Find the word with correct spellings.**

17. a) siran                                      b) syran                                      c) syrun                                      d) siren
18. a) physical                                      b) psysical                                      c) psycical                                      d) sphysical



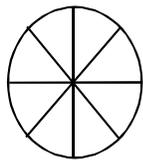
36. Which type of shape of given figure?  
 a) open shape                      b) closed shape                      c) semi-open shape                      d) cant say
37. Total number of match points are = .....  
 a) 7                                      b) 6                                      c) 9                                      d) 8
38. In figure is cut in to two parts then it is .....  
 a) not symmetrical                      b) symmetrical                      c) conical                      d) None of these
39. An angle whose measure is more than  $90^\circ$  is called.....  
 a) acute angle                      b) right angle                      c) obtuse angle                      d) straight angle
40. Angles are measured with a .....  
 a) scale                                      b) rounder                                      c) set-squares                      d) protractor

41. Write the numbers of squares enclosed by given figure (Area = 1 m<sup>2</sup>)



- a) 12m<sup>2</sup>                                      b) 11m<sup>2</sup>                                      c) 13m<sup>2</sup>                                      d) 14m<sup>2</sup>

42. How much part has been filled. (shaded) in the given figure.



- a)  $\frac{1}{8}$                                       b)  $\frac{8}{1}$                                       c)  $\frac{4}{8}$                                       d)  $\frac{2}{8}$

43. Solve :  $\frac{15}{8} + 2\frac{7}{8} = \dots\dots$

- a)  $\frac{35}{8}$                                       b)  $\frac{36}{8}$                                       c)  $\frac{37}{8}$                                       d)  $\frac{34}{8}$

44. Prime factor of 36 are .....

- a)  $3 \times 3 \times 2$                                       b)  $2 \times 2 \times 3 \times 3$                                       c)  $9 \times 4$                                       d)  $3 \times 4$

45. Find common factor of 25 and 40

- a) 10                                      b) 10.5                                      c) 20                                      d) 5

46. All the factors of 35 are .....

- a) 1,7,5,35                                      b) 5,35                                      c) 0,1,35                                      d) 1,2,5,35

47. Below situation is raleated to find out : How much can be filled in a bottle?

- a) perimeter                                      b) volume                                      c) area                                      d) None of these

48. Calculate in km and M.  $6 \times 700$  m

- a) 4 km 200 m                                      b) 4 km 300 m                                      c) 300 km                                      d) 1000 km

49. How many millimeters are there in a meter?  
 a) 10 mm                      b) 100                      c) 10000                      d) 1000 mm

50. Multiply :  $239 \times 21$   
 a) 5109                      b) 5910                      c) 5000                      d) 5019

51. Complete  $6 \times 6 = 9 \times \square$   
 a) 2                      b) 4                      c) 5                      d) 12

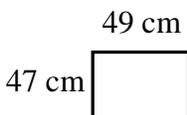
52. divide :  $14 \div 5$   
 a) 3.8                      b) 2.8                      c) 4.8                      d) 5.8

53. The volume of a cube = .....  
 a)  $l \times b \times h$                       b)  $l \times l \times l$                       c)  $l \times b$                       d)  $b \times l$

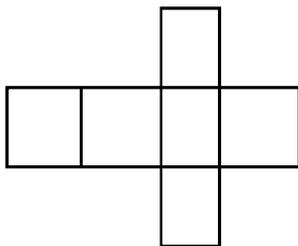
54. Item = shampoo, Quantity = 2, Rate = Rs. 55 per bottle, price = ?  
 a) 100 Rs.                      b) 101 Rs.                      c) 120 Rs.                      d) 110 Rs.

55.  $80 \div \square = 40$   
 a) 2                      b) 3                      c) 10                      d) 4

56. Solve :  $30 \times 40 - 40 \times 20 = \square$   
 a) 400                      b) 300                      c) 200                      d) 410

57. Find the area   
 a) 2033 m<sup>2</sup>                      b) 2303 m<sup>2</sup>                      c) 3302                      d) None of these

58. Given figure is a net of : .....



a) Cuboid                      b) Cone                      c) Cube                      d) pyramid

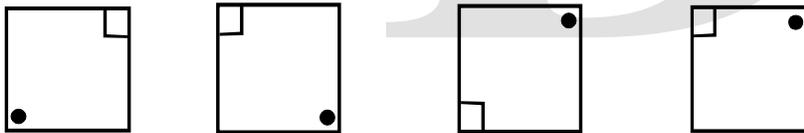
59. Complete the number pattern :  
 11, 121, 1331, .....  
 a) 10001                      b) 13331                      c) 15551                      d) 14441

60. 1, 2, 5, 10, 25 and 50 are ..... of 50.  
 a) multiples                      b) squares                      c) factors                      d) cubes

61. Which letter is not in the word 'RACCOON', but in the word 'CARTOON' ?  
 a) N                                      b) O                                      c) T                                      d) C
62. Which letter is in the word 'STOCK', but not in the word 'SOCKS' ?  
 a) S                                      b) T                                      c) O                                      d) C

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

63. 19 23 29 37 ?  
 a) 7                                      b) 11                                      c) 47                                      d) 59
64. 5 11 23 47 ?  
 a) 6                                      b) 24                                      c) 48                                      d) 95
65. How many letters are there between D and F?  
 a) Three                                      b) One                                      c) Five                                      d) Four
66. Find the odd man out :  
 a) Bicycle                                      b) Motercycle                                      c) Bulcart                                      d) Autorikshaw
67. Find odd figure



- a)                                      b)                                      c)                                      d)

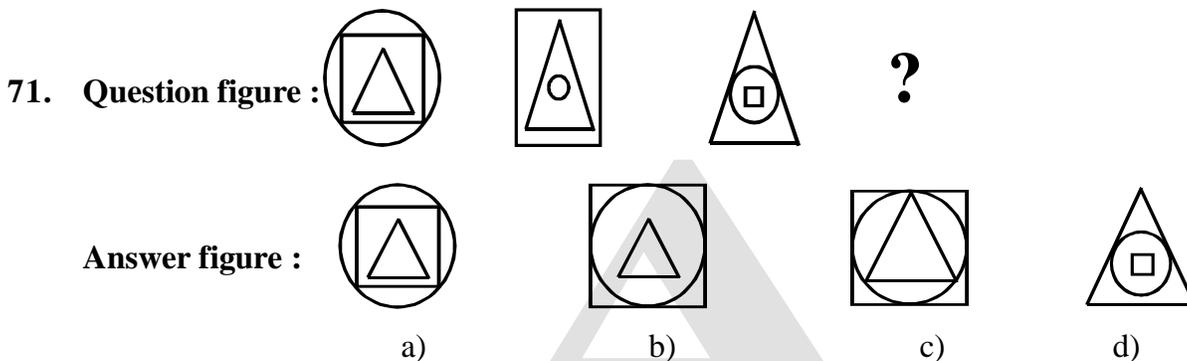
**Direction : Find the odd man out from the numbers given below.**

68. a) 18                                      b) 36                                      c) 48                                      d) none of these

**Direction : Which letter will replace the question mark in each of the following questions?**

69. TSU, QPR, NMO, KJL, ?  
 a) GFH                                      b) IHJ                                      c) HIG                                      d) HGI
70. CA, HJ, MK, RT, ?  
 a) WU                                      b) UW                                      c) WY                                      d) RP

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



**Direction : Find the missing term in the series :**

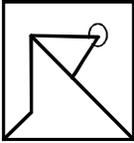
72. ○ ● △ □, □ ● △ ○, ? □ ● △ ○, ○ ● △ □  
 a) ○ ● △ □                                      b) ● △ □ ○                                      c) △ ● □ ○                                      d) ● ○ □ △

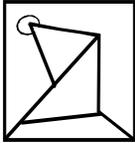
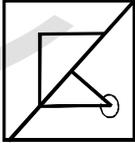
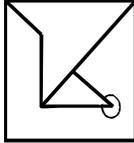
73. My brother is older than me by 9 years. He is 21 years old. What is my age?  
 a) 12 years                      b) 9 years                      c) 21 years                      d) 30 years
74. Two sister are seven years apart today. After eight years what will be the difference between their age?  
 a) 5 years                      b) 6 years                      c) 7 years                      d) 8 years
75. If 1-1-2007 was Monday, what was the day on 31-12-2008 ?  
 a) Monday                      b) Tuesday                      c) Wednesday                      d) Thursday

**Direction :Q.77 to 78 There are 5 subjects for an examination. the examination started on Tuesday. History was after Maths, Science was before Marathi, Geography was between Marathi and Maths. Answer the following questions with the help of the information given:**

76. Which subject was on the first day of the examination ?  
 a) Maths                      b) Marathi                      c) Science                      d) Geography
77. On which day was the Maths paper?  
 a) Friday                      b) Saturday                      c) Wednesday                      d) Thursday
78. Which paper was on Saturday?  
 a) Marathi                      b) History                      c) Maths                      d) Geography

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

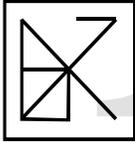
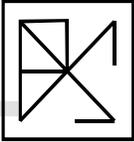
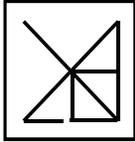
79. Question figure : 

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 ?**

80. Question figure : 

Answer figure :    

a)                      b)                      c)                      d)

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

81. mind : thought : : muscle : ?  
a) body                                      b) hand                                      c) movement                                      d) strength
82. March : July : August : ?  
a) April                                      b) June                                      c) December                                      d) September

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

83. ab?ba?aba??b  
a) baab                                      b) aabb                                      c) aabb                                      d) abba

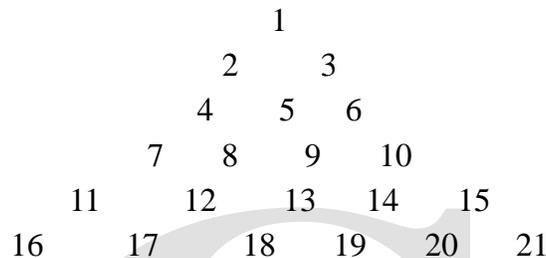
**Direction : Find the number in the place of question mark.**

84. 42 : 60 : : 53 : ?  
a) 44                                      b) 71                                      c) 80                                      d) All alternatives correct
85. 196 : 34 : : 245 : ?  
a) 25                                      b) 52                                      c) 45                                      d) 54

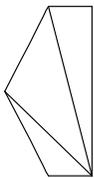
**Direction : Identify the wrong term in the given series:**

86. 17, 22, 27, 32, 36  
a) 32                                      b) 22                                      c) 17                                      d) 36

**Direction : Study the pyramid given below and answer questions upon it:**



87. 1, 4, 11, 17, : : 1, 6, 15, 20 : : ? : 3, 10, 21, 19  
a) 2, 7, 16, 17                      b) 2, 7, 11, 17                      vb c) 2, 7, 12, 18                      d) 2, 7, 12, 18
88. How many triangles are there in the adjoining figure?



- a) 3                                      b) 2                                      c) 6                                      d) 5

**Direction : Archana is more brilliant than Supriya. Sandeep is more brilliant than Archana, but Vaibhav is more brilliant than Supriya and Archana is more brilliant than Vaibhav.**

89. Who is the most brilliant of all?  
a) Archana                                      b) Supriya                                      c) Vaibhav                                      d) Sandeep
90. In the order of brilliance who is the third?  
a) Archana                                      b) Supriya                                      c) Vaibhav                                      d) Sandeep

■ **Descriptive question (Compulsory)**

- I) **Write an essay on any one of the following in 150 words.** 5 M  
1. Indian Farmer  
2. My favourite Teacher
- II) **Write about yourself (150 words).** 5M