ENTRANCE EXAMINATION -V

DEFENCE CAREER ACADEMY, AURANGABAD.

As an ISO 9001 : 2008 - Certified

SET 1

ENT : 2023	Sr. No.
TIME : 2.00 Hrs.	MAXIMUM MARKS : 100

QUESTION - BOOKLET

GENERAL INSTRUCTIONS

1. Do not carry any book, paper or any other material with you inside the Examination Hall.

2. Carry only writing material with you in the Examination Hall.

3. Keep the Hall Ticket with you ready for scrutiny.

4. Result of this Examination will be displayed on the Notice Board. The Result Sheet will include the successful/ qualified candidates ONLY.

5. All successful candidates indicated on the list shall present themselves for the invetview on the same day.

6. This Test Booklet contains 100 items (Questions). Each item comprises four responses (Answers). You have to select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, Choose Only One response for each item.

7. All the answers must be marked on the Answer Sheet only. Do not write anything on this Test Booklet.

8.   IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR QUESTION ETC. IF SO, GET IT REPLACED BY A NEW ONE.

9.   Ask for a separate paper for rough work.

10.   Read the questions carefully, Remember, answers are to be indicated in the Answer Sheet Only. Return the Test Booklet, Rough work papers and the Answer Sheet immediately when asked to do so. You are NOT permitted to take away with you any paper concerning the Examination.

ANSWER SHEET

11.   The Answer Sheet contains 100 counts, each subdivided in four { (a) (b) (c) (d)} subdivisions for indicating the correct choice of answers. After having selected the correct choice from the test Booklet, you should indicate that choice by completely blackening the respective circle, DO NOT merely cross the circle. You should indicate correct answer by blackening ONLY ONE circle in each answer. Any answer having more than ONE blackened circle will be treated as WRONG answer.

12.   Before starting the answering ensure that you have filled the complete information at the top of this Answer Sheet. Incomplete Answer Sheet will be regarded as invalid.

THANK YOU AND BEST OF LUCK

1. What are the missing numbers in this pattern? 23, 33, ___, 53, ___, 73
   a) 32, 62   b) 42, 63   c) 43, 63   d) 42, 62
2. Find the smallest 6 - digit number formed by using the digits 2, 0, 4, 5, 7 and 1.
   a) 021457   b) 210457   c) 102457   d) 120457
3. Find the greatest 5-digit number formed using the digits 3,9,4,8 and 5.
   a) 98543   b) 95834   c) 55555   d) 59843
4. What is the expanded form of 45010?
   a) 40000 + 500 + 0 + 1   b) 40000 + 1000 + 50
   c) 45000 + 0 + 10 + 0   d) 40000 + 5000 + 0 + 10 + 0
5. With which place does a 5-digit number begin?
   a) Lakhs   b) Ones   c) Thousands   d) Ten thousands
6. Which number is one thousand more than 12223?
   a) 22223   b) 13223   c) 12323   d) 12233
7. Find the sum of the place values of 8's in 830821.
   a) 800800   b) 8080   c) 808000   d) 800000
8. Find the successor of the smallest 6- digit number.
   a) 100000   b) 10001   c) 100001   d) 999999
9. Find the predecessor of the largest 5-digit number.
   a) 10000   b) 99999   c) 99998   d) 100001
10. How many thousands make 5 lakhs?
    a) 5   b) 5000   c) 50   d) 500
11. What is the predecessor of the largest 7-digit number formed using the digits 0, 1, 2, 3, 4, 5 and 6?
    a) 6543210   b) 654329   c) 6543209   d) 6543211
12. Which of the following is the greatest 7-digit number?
    a) 1000000   b) 9999999   c) 7777777   d) 1991919
13. What is the product of the place values of the two 7's in 73071?
    a) 49   b) 4900   c) 4900000   d) 49000
14. What is the difference between the place value and the face value of the digit 9 in 49526?
    a) 9001   b) 8099   c) 89991   d) 8991
15. Find the smallest 4-digit odd number.
    a) 1111   b) 1011   c) 1001   d) 1101
16. How many times does the digit '6' appear between 1 and 100?
    a) 19   b) 20   d) 21   d) 18
17. Which of the following is correct about the smallest 4-digit number formed by using the digits 5,0,3,1 and 7 only once?
    a) 0 is in thousands place.   b) 5 is in tens place.
    c) 3 is in tens place.   d) 7 is in ones place.
18. How many 3-digit numbers are there?
    a) 999   b) 899   c) 900   d) 800
19. What is the greatest 4-digit number formed using different digits with 6 in the tens place?
    a) 9876   b) 9867   c) 9687   d) 6987

20. What is the smallest 5-digit number formed by using three digits with 7 in the thousands place?

    a) 77710   b) 17001   c) 07100   d) 17000

21. What is the number obtained when 3500 is rounded off to the nearest thousand?

    a) 3000   b) 3600   c) 4000   d) 4500

22. Which of the following is the largest 4-digit number that can be formed using any three digits chosen from 7, 5, 8 and 6?

    a) 7655   b) 7566   c) 6577   d) 765

23. How many different numbers can be formed using each of the digits 7, 6 and 8 only once?

    a) 6   b) 3   c) 4   d) 5

24. What is the equivalent of 40 thousands and 4 ones?

    a) 40004   b) 4004   c) 404   d) 40040

25. What is the sum of 4062 and 3496 when it is rounded off to the nearest thousand?

    a) 7000   b) 7600   c) 8000   d0 8600

26. Which of the following is another way of writing the number "Fourteen thousand nine hundred eighty seven"?

    a) $10000 + 4000 + 900 + 80 + 7$ b) 14000987

    c) $14 \times 100 + 9 \times 10 + 87$ d) $1+4+9+8+7$

27. The digit 6 in 96431 stands for $6 \times 100 \times \square$. Which number should be placed in the box?

    a) 10   b) 100   c) 1000   d) 10000

28. 8058 people attended a concert. 5073 of them are women. What is the number of men to the nearest hundred?

    a) 2000   b) 2500   c) 3000   d) 2900

28. What is the product of 306 and 54 rounded off to the nearest thousand?

    a) 17000   b) 16000   c) 18000   d) 15000

29. What is the sum of 706 and 43962 rounded off to the nearest hundred?

    a) 44700   b) 44670   c) 45000   d) 44660

30. Madan earns Rs. 12100 in 10 months. What is his monthly earnings to the nearest hundred?

    a) Rs. 1200   b) Rs. 1210   c) Rs. 1300   d) Rs. 1000

31. Sharan weighs 48 kg. What is his weight rounded to the nearest ten kilograms?

    a) 40 kg   b) 50 kg   c) 45 kg   d) 60 kg

32. Find the descending order of 80000, 9469, 81074 and 86415.

    a) 80000, 86415, 81074, 9469   b) 86415, 81074, 80000, 9469

    c) 86415, 80000, 81074, 9469   d) 86415, 81074, 9469, 81074

33. What is the largest is made up of diffrent odd digits.

    a) 97513   b) 93751   c) 95713   d) 97531

34. What is the value of the digit 1 in the sum of 6421, 3245 and 9260?

    a) 1000   b) 100   c) 10000   d) 1

35. What is the smallest number?

    a) 15397   b) 13597   c) 13579   d) 31579

36. How would you describe this pattern's rule? 23, 29, 35, 41

    a) Subtract 6   b) Add 6   c) Substract   d)

37. A number pattern is shown below.

    100, 95, 110, 105, 120, ...

    If this pattern continues, what number will come next?

    a) 100   b) 115   c) 120   d) 130

38. What is the next number in this pattern?

    1, 2, 4, 8, 16, 32, 64

    a) 80   b) 81   c) 84   d) 128

39. A community started an adult softball league. The first year there were 19 players. The next year there were 23 players. The third year there were 27 players and the fourth year 31 players. If this pattern continues, how many players will there be in the sixth year?

    a) 35   b) 33   c)   d)

40. The digits of 341962 are rearanged to from the largest ans the smallest numbers. find their diffrence.

    a) 840852   b) 123469   c0 964321   d) 1087790

41. Michael saw this pattern of numbers on a stack of note cards:

    1, 8, 15, 22, 29, 36

    Which set of numbers appears to follow the same rule?

    a) 2, 10, 18, 26, 34, 42   b) 5, 12, 19, 26, 33, 40

    c) 7, 17, 27, 37, 47, 57   d) 8, 16, 28, 36, 38, 46

42. Continue the pattern AB ABB ABBB _____.

    a) ABAB   b) AAB   c) ABBBB   d) ABBABB

43. What is the rule for the following number pattern?

    2, 4, 6, 8, 10, 12

    a) add 1   b) add 6   c) Subtract 7   d) add 2

44. What is a rule for the pattern?

    29, 24, 19, 14, 9

    a) add 4   b) subtract 5   c) multiply 2   d) add 5

45. Complete the [attern : 95, 90,____, 80, 75.

    a) 80   b) 70   c) 65   d) 85

* **Read the following passage and choose the correct answers.**

    There are a great many Story is about million fish in just of them, and one a the sea, but this very Small one at that. Now, this little fish had everything in the sea to make him Contended, but he was not happy. You will laugh when I tell why he was not. He whappy because he was was very small.

46. How many fish was was there in the Sea.

    a) Thousand fish   b) Billion fish   c) Million fish   d) Lac fish

47. Who was unhappy?

    a) Fish   b) Mouse   c) Cat   d) Lizard

* **Read the poem and answer the following questions.**

    I have a rabbit habit,

    I like to crunch and chew.

    On celery logs and carrot Sticks,

    And apple wedges, too.

I have a rabbit habit,

I like to chomp and munch.

On Crispy greens and juicy grapes,

Mmm..... rabbit food for lunch!

48. A rabbit habit is ....
    a) munch and munch   b) crunch and chew   c) crunch and crunch   d) chew and meow

49. The boy like to eat.
    a) Pizza   b) Junk Food   c) Greens and juicy grapes   d) Biscuits

50. James saw the <u>awesome</u> sight from the air. [Identify the underline word]
    a) Adverb   b) Adjective   c) Noun   d) Conjunction

51. Which nouns are the name of particular person, animal, places or things?
    a) Abstract   b) Proper   c) Common   d) Collective

52. Feminine gender of 'Horse'.
    a) Mare   b) Horsess   c) Horse   d) Maress

53. 'King' is which gender?
    a) Feminine   b) Common   c) Neuter   d) Masculine

54. How .... did your computer cost?
    a) many   b) some   c) any   d) much

55. Grandpa cooked a delicious <u>vegtabul</u> soup for dinner.

    (Choose the correct spelling of underline word)
    a) vegetable   b) vegatable   c) vagetable   d) vegeteable

56. Unscramble the words. 'AONENY'
    a) ANONEY   b) ANYONE   c) ONEANY   d) AYNONE

57. Antonym of 'hard'.
    a) difficult   b) easy   c) tuff   d) smooth

58. Antonym of 'talkative'.
    a) quiet   b) dumb   c) shout   d) loud

59. Synomym of 'tasty'.
    a) Nice   b) Bad   c) Chilly   d) Delicious

60. Synonym of 'friend'.
    a) Enemy   b) Buddy   c) Foe   d) Rival

61. Arrang the words in alphabetical order. Frog, Fan, Fruit, Fan.
    a) Frog, Fruit, Fan, First   b) First, Fan, Fruit, Frog   c) Fan, Fruit, First, frog   d) Fan, First, Frog, First

62. Find odd man out.
    a) Mustard   b) Wheat   c) Rice   d) Barley

63. Find odd man out.
    a) Cricket   b) Chess   c) Football   d) Hockey

64. .... Sun Shines brightly. (Which article will be suitable to fill this blank?)
    a) A   b) An   c) The   d) None of these

65. <u>They</u> were playing. (Iidentify the parts of speech)
    a) Pronoun   b) Noun   c) Preposition   d) Verb

66. 2, 4, 6, 8, ..?
    a) 10   b) 14   c) 18   d) 20

67. Find the odd word from the given alternatives.
    a) pen   b) pencil   c) Ball Pen   d) Eraser

68. A, C, E, G, ...?
    a) 2   b) I   c) M   d) N

69. 1, 11, 111, 1111, ...?
    a) 11111   b) 111   c) 1   d) 11

70. 3, 6, 9, 12, ... ?
    a) 25   b) 20   c) 15   d) 20

71. .... give us honey.
    a) cow   b) parrot   c) honeybee   d) goat

72. Which animal do we use for carring loads?
    a) lion   b) tiger   c) wolf   d) Horse

73. Find out odd man out.
    a) pigeon   b) fig   c) duck   d) sparrow

74. .... is omnivores animal
    a) lion   b) man   c) Tiger   d) wolf

75. .... give the support to the plant.
    a) fruit   b) root   c) leaf   d) flower

76. Camel - cart is used as a means to go to school in ....?
    a) Deserts   b) Plains   c) Revers   d) Mountains

77. Bullock - cart is pulled by ....?
    a) Horses   b) Elephants   c) Camels   d) Bulls

78. Some forests are so thick that even .... does not pass through?
    a) River   b) Sunlight   c) Air   d) Snow

79. What are energy giving food?
    a) Egg   b) Vegetables   c) Fruits   d) None of these

80. Find the add one.
    a) Butter   b) Oil   c) Vegetable   d) Ghee

81. The body store energy in the form of ....
    a) Proteins   b) fats   c) carbohydeates   d) vitamin

82. What are protective food?
    i) Green leafy vegetables
    ii) Potatoes
    iii) Milk & milk products
    iv) Pulses
    Choose the correct option
    a) I and III   b) I and II   c) II and IV   d) Only III

83. Leaf prepare food for plants by the process of ....
   a) Padaptation   b) Absorption   c) Photosynthesis   d) Chloeosyntheses

84. In which form does the plant store its extra food?
   a) Glucose   b) Simple sugar   c) Starch   c) Both (a) & (c)

85. Which of the following give birth to young ones?
   a) Lizard   b) Snake   c) Bat   d) Sparrow

86. Amphibian in water breathe through ....
   a) gills   b) lungs   c) skin   d) Both (a) & (b)

87. .... is called desert animal.
   a) Dog   b) Camel   c) Cow   d) lion

88. Fish live in ....
   a) air   b) water   c) flood   d) jungle

89. .... supply water to plants.
   a) Roots   b) Fruit   c) Flower   d) Leaf

90. Which one among the plant following is known as food factory of the plants?
   a) Roots   b) Flowers   c) leaves   d) Seeds

91. National fruit of India is
   a) Mango   b) Pineapple   c) Guava   d) Apple

92. The National Tree of India is
   a) Banyan   b) Ashoka   c) Eucalyptus   d) Neem

93. National Song of India was written by
   a) Bankim Chandra Chattaopadhyay   b) Rabindranath Tagore
   c) Muhammad Iqbal   d) Ishwar Chandra Vidyasagar

94. How many players are there in hockey team
   a) 10   b) 8   c) 11   d) 9

95. PV Sindhu is related to which game
   a) Badminton   b) Wrestling   c) Cricket   d) Table Tennis

96. Who was the first President of India
   a) Jawaharlal Nehru   b) Subhash Chandra Bose
   c) Dr. Rajendra Prasad   d) Lal Bahadur Shastri

97. Who is the Chief Minister of Maharastra
   a) Eknath Shinde   b) Utkarsh Jadhav   c) Uddhav Thackrey   d) Devendra Fadnavis

98. Which is the fastest bird in the world
   a) Ostrich   b) Humming Bird   c) Peregrine Falcon   d) Golden Eagle

99. Which is the world's longest platform
   a) Gorakhpur   b) Hubballi   c) Kollam   d) State Street Subway

100. Which is the highest waterfall in the world
   a) Yosemite Falls   b) Angel Falls   c) Niagara Falls   d) Victoria Falla