

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



ENTRANCE EXAMINATION - VI
DEFENCE CAREER ACADEMY,

CHH. SAMBHAJINAGAR

As an ISO 9001 : 2008 - Certified

**SET
A**

ENT : 2024-25

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 interview 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.

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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. Place value of 7 in 57930 is
a) 7000 b) 700 c) 70,000 d) 7,00,000
2. The predecessor of 88899025 is
a) 88899024 b) 88889024 c) 88879024 d) 88979024
3. MMC =
a) 2100 b) 2001 c) 2500 d) 2010
4. Hindu Arabic numeral for XCI =
a) 99 b) 101 c) 91 d) 97
5. In 5,87,60,941, 7 stands for :
a) 7×100 b) 7×1000 c) $7 \times 1,00,000$ d) $7 \times 10,00,000$
6. 412 rounded off to the nearest ten is
a) 420 b) 410 c) 400 d) 430
7. 7879859 rounded off to the nearest ten thousand is
a) 7800000 b) 7880000 c) 7900000 d) 7800000
8. 8978083 rounded off to the nearest lakh is
a) 9000000 b) 8000000 c) 8900000 d) 8970000
9. $0 \div 11 = \underline{\hspace{2cm}}$
a) 0 b) 11 c) 1 d) Not defined
10. $1,23,612 \div 10$
a) 12361.2 b) 123.612 c) 12.3612 d) 1236.12
11. Subtracting ten thousand from one million gives
a) 99,000 b) 9,90,000 c) 90,000 d) 9,000
12. Simplest form of $\frac{4}{20}$ is
a) $\frac{1}{5}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{2}$
13. $(8+7) \div (3+2)$
a) 5 b) 3 c) 4 d) 2
14. $9 + 12 \div 3 - 2$
a) 12 b) 11 c) 13 d) 14
15. $8 - 30 \div 6 + 7$
a) 20 b) 10 c) 5 d) 15
16. $153/10 =$
a) 1.53 b) 15.3 c) 153 d) 1530
17. $0.6 \square 0.006$
a) $>$ b) $<$ c) $=$ d) None
18. In 5.809, the digit 9 is in the _____ place.
a) ones b) tenths c) thousandths d) hundredths
19. $2.4 \div 100 =$
a) 0.24 b) 0.024 c) 0.0024 d) 24
20. Zero point zero four two
a) 0.42 b) 0.042 c) 4.2 d) 0.024

21. 1 is prime number
a) True b) False
22. Which of these are co-prime
a) 16,18 b) 11,48 c) 8,24 d) 6,9
23. LCM of 3, 4 and 5 is
a) 30 b) 60 c) 20 d) 24
24. 5695 is divisible by
a) 4 b) 2 c) 5 d) 6
25. 3 is a _____ number
a) Prime number b) Composite number c) Even number d) None
26. The price of one book is rs 25 then the price of 5 such books is
a) RS. 5 b) RS. 20 c) RS. 25 d) RS. 125
27. I am a prime number. If you subtract 1 from me, I will become divisible by 9. Who am I ?
a) 29 b) 19 c) 17 d) 11
28. $625 \div \underline{\hspace{1cm}} = 25$
a) 25 b) 625 c) 1 d) 250
29. Numeral for Eighty crore eighty lakh eighty one is
a) 80,80,081 b) 80,08,881 c) 80,80,00,081 d) 80,80,08,081
30. The 12th multiple of 16 is
a) 182 b) 1216 c) 1129 d) 192
31. What should be subtracted from the greatest 7 digit number to get 65, 43, 210 ?
a) 12, 34, 567 b) 99,99,999 c) 12,34,560 d) 34,56,789
32. 25 lakhs + 6 thousands + 4 tens =
a) 25,06,040 b) 2,56,00,040 c) 25,640 d) 25, 60, 040
33. The digit immediate to the right of ten lakhs shows place.
a) crore b) ten crore c) ten thousand d) lakh
34. _____ X 1,000 = 9,98,20,000
a) 9,98,200 b) 9,982 c) 99,820 d) 99,82,000
35. $(33 \times 3) + (3 \div 3) =$
a) 98 b) 99 c) 100 d) 33
36. $1,00,00,000 - 10,00,000 =$
a) 90,00,000 b) 9,00,000 c) 9,00,00,000 d) 90,000
37. $(321 \times 9) - \underline{\hspace{1cm}} = 2,888$
a) 1 b) 0 c) 2 d) 3
38. Which is the odd one in the following?
a) 37 b) 47 c) 57 d) 97
39. Fill in the missing multiple. 90, 105, , 135, 150
a) 120 b) 15 c) 125 d) 130
40. The two prime factors of 65 are and
a) 1 and 65 b) 5 and 13 c) 60 and 5 d) 15 and 15

41. Which letter does not have a line of symmetry ?
 a) E b) T c) G d) A
42. Which of the following angle will have highest degree of measurement?
 a) Straight angle b) Right angle c) Obtuse angle d) Acute angle
43. Which of the following has one end point?
 a) A plane b) A line segment c) A line d) A ray
44. Sanjay has to travel a distance of 5km and 30 metre. He has already travelled 3 km and 750 metre. How long he has to travel now?
 a) 1km 280 metre b) 1 km 055 metre c) 1 km 380 metre d) 1 km 55 metre
45. Komal eats one full bar of chocolate. Then she divides another one into 5 equal parts and eats 3 of those parts. The total number of chocolates that she has eaten is
 a) $\frac{4}{5}$ b) $\frac{3}{5}$ c) $\frac{8}{10}$ d) $\frac{8}{5}$

* **Read the Passage & answer the following questions.**

Bears found in Europe, Asia, Africa and America. They are almost anything massively built with short tails, and thick legs. Bears are not really carnivores. They eat almost anything the chief exception in the polar bear which is natural State lives on fish and seals. However, in captivity they seem to enjoy meal, vegetables, fruit, milk, rich and porridge.

46. Where are bears found?
 a) America b) Australia c) Arctica d) None of above
47. What meat does a bear eat in captivity?
 a) Meat b) Chapati c) Seal d) Trees

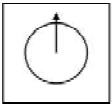
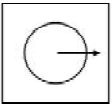
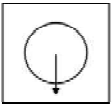

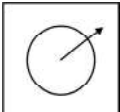
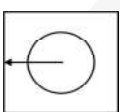
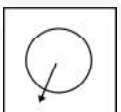
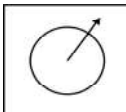
* **Read the poem and answer the following questions.**

The first Day of School

I've got a brand new lunchbox
 My Shoes are Shiny clean.
 I've got a cool new book bag,
 And a pencil box that's green.
 But I don't know my teacher,
 Or where my desk will be.
 I don't know if I'll like the kids,
 Or if they'll play with me.
 I peep inside my classroom.
 I stand there for a while.
 My teacher's tall and kind of loud,
 But has And a great big smile.
 And of all, she's got my,
 Fovorite book upon the shelf !

48. The child's Shoes are
 a) Dirty b) Clean c) Comfortable d) Dancy
49. The child has got a pencil box which is
 a) Red b) Yellow c) Green d) Pink

50. This, that, those, these are
- a) Adjectives b) Pronoun c) Adverb d) Determiners
51. The truck driver delivered the packages quickly. (Identify the parts of Speech)
- a) Verb b) Adverb c) Adjective d) Noun
52. She wore a beautiful dress on here birthday. (Identify the adjective)
- a) She b) birthday c) dress d) beautiful
53. My nephew is a school teacher (Identify the feminine gender of underline word)
- a) Nephews b) Niece c) Daughter c) Cousin
54. Masculine of 'Madam'
- a) Teacher b) Sir c) Master d) None of above
55. 'I' is person pronoun.
- a) third b) second c) first d) fourth
56. 'The' is article.
- a) Indefinite b) definite c) both a & b d) None of above
57. What is the meaning of 'quarrel'?
- a) laugh b) fight c) love d) shout
58. The big has brown colour.
- a) bear b) bare c) bear d) beir
59. Word 'many' is
- a) quantifier b) pronoun c) nown d) adjective
60. What is antonym of 'laugh'?
- a) chuckle b) ha-ha c) cry d) cackle
61. What is antonym for 'fresh'?
- a) Loose b) Locate c) Stale d) Bad
62. Synonym of 'Sketch'.
- a) drawing b) portrait c) pillar d) colour
63. Synonym of 'toss'
- a) throw b) thrill c) spill d) turn
64. Find odd man out.
kick, move, computer, hit
- a) kick b) move c) hit d) computer
65. Find odd man out.
apples, candy, sweets, chocolate
- a) apples b) candy c) sweets d) chocolate

66.  :  ::  : 
- a)  b)  c)  d) 

67. 68, 67, 64, 59 ?
a) 52 b) 53 c) 54 d) 56
68. AD, EF, JH, OJ, ?
a) UL b) OL c) UT d) Uo
69. 1, 4, 9, 16
a) 25 b) 30 c) 36 d) 100
70. Each of P, Q, T, A and B has different heights. T is taller than P and B but shorter than A and Q. P is not the Shortest. Who is the tallest ?
a) A b) Q c) P d) Cannot be determined
71. Name of the bird which has eyes in front of its head.
a) Owl b) Sparrow c) Eagle d) Hen
72. Why Elephants are hunted?
a) Horn b) For Meat c) Musk d) Tusk
73. Which of the following animals is endangered?
a) Monkey b) Tiger c) Deer d) Cow
74. Which dance form have Movements similar to snake movements?
a) Kathak b) Lavni c) Kalbeliya d) None
75. Poisonous teeth of the snake are called as _____.
a) Fangs b) Hood c) Scales d) Pangs
76. The Medicine for snake bite is prepared from.
a) Poison of the Snake b) Skin of the Snake c) Both A & B d) None of these
77. Why Snakes are called friends of farmers?
a) They eat crops b) They eat flowers c) They eat Rats d) All of these
78. A snake charmers keeps the snakes in a _____.
a) Bamboo Basket b) Bucket c) Drum d) Pitcher
79. Which solution is given when a person has Vomiting and loose motion?
a) Milk b) Fruit juice c) ORS d) None
80. What is given to a sick person for getting instant energy?
a) Glucose Drip b) Chocolate c) Ice-Cream d) Pizza
81. Which Nutrients give us energy to do work?
a) Vitamin & Minerals b) Protein c) Fats & carbohydrates d) None
82. What is the name of Aam Papad in Andhra?
a) Aam Roti b) Pickle c) Mamidi Tandra d) All of these
83. Name the seeds which disperse by water.
a) Lotus b) Rose c) Marigold d) All
84. Potatoes and Tomatoes came from this country.
a) India b) China c) South America d) Europe

85. Name the outermost part of a seed.
a) Cotyledons b) Seed Coat c) Embryo d) None
86. Gadhsisar lake is located in _____ state.
a) Rajasthan b) Maharashtra c) Madhya Pradesh d) Haryana
87. Who built Gadhsisar?
a) Akbar from Delhi b) King Gadhsi of Jaisalmer
c) Aurangzeb d) Sachin Tendulkar
88. What is Natural source of water?
a) River b) Pond c) Lake d) Rain
89. Salt is made from.
a) Lake Water b) Fresh Water c) River Water d) Sea water
90. Paint is soluble in.
a) Water b) Milk c) Kerosene d) Lemon
91. What is the new name of Mainpuri Sainik School in Uttarpradesh?
a) General Manoj Mukund Narawane Sainik School
b) General Sam Manekshaw Sainik School
c) General Bipin Rawat Sainik School
d) General K.M. Cariappa Sainik School
92. Where is India's first unique 'Rock' museum located
a) Hyderabad b) Mumbai c) Chennai d) Bengaluru
93. Rajput-class destroyer INS Ranvir belongs to which Navy?
a) Sri lankan Navy b) Indian Navy c) Chinese Navy d) Bangladeshi Navy
94. Vishwanathan Anand belongs to which game?
a) Cricket b) Hockey c) Boxing d) Chess
95. Who won India's first Olympic Bronze medal in Badminton?
a) PV Sindhu b) Aparna Papat c) Saina Nehwal d) Srikanth Kindamby
96. Young one of a cow is called
a) Cub b) Calf c) Puppy d) Mice
97. Which is the largest bone of the body
a) Femur b) Stirrup c) Radius d) Cranial
98. Name the largest ocean in the world
a) Atlantic Ocean b) Indian Ocean c) Pacific Ocean d) Southern Ocean
99. Which of the following is the largest airport in the world
a) King Fahd International Airport b) Beijing Airport
c) Los Angeles Airport d) Tokyo Airport
100. Name the largest reptile in the world
a) American Alligator b) Black Caiman c) Green Sea Turtle d) Saltwater Crocodile