M	1	4	0	2	3	0	1	1	0

0503

VSA (English Medium)

Paper No. III	Intelligence Test and	Time : 3 P.M. to 4 P.M.
Pages : 16	General Science	Total Marks : 100

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

Instructions :—

(1) This question paper contains *two* Sections. Section **I** has **35** questions of Intelligence Test carrying **2** marks each and Section **II** has **15** questions of General Science carrying **2** marks each.

(2) *All* questions are compulsory.

(3) A separate answer-sheet is provided. Each question has been given four alternatives. Read them carefully. Select the correct answer and shade the correct answer in the answer-sheet.

e.g. If the correct answer for Q. No. **6** is **2**, then record your answer as follows :

Question No. **6**   ① ● ③ ④

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

e.g.   ①̸ ②̶ ● ④̸

(5) Answers should be written in blue or black ball point pen. Answers written in pencil or red or any other coloured ink pen will not be checked.

(6) Answer 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) In the question paper, space for rough work is given. Do the rough work in the space provided only.

(9) The exam has limited time, in case you are not able to solve a question, kindly solve the next question. In the end if time permits, you can try to solve the left out questions.

Alphabets : ABCDE	FGHIJ	KLMNO	PQRST	UVWXY

SECTION I

INTELLIGENCE TEST

(Marks : 70)

1. In the given number series select the *wrong* term :

     16,   23,   28,   37,   49,   62

     (1)   23   (2)   37

     (3)   49   (4)   28

2. In the word 'AHMEDABAD' how many consonants are there ?

     (1)   2   (2)   3

     (3)   5   (4)   1

3. In the given alphabet series how many letters are there between

   G and R ?

     (1)   10   (2)   9

     (3)   8   (4)   12

4. **Number series :** 13, 23, 33, 43, 53, 63, 73, 83, 93.

In the above number series how many prime numbers are there ?

(1)   5

(2)   4

(3)   7

(4)   6

Instructions for Q. Nos. 5 to 7 : Select the correct alternative to replace the question mark.

5.
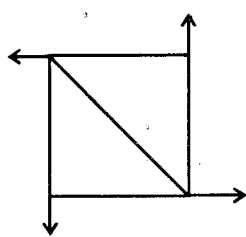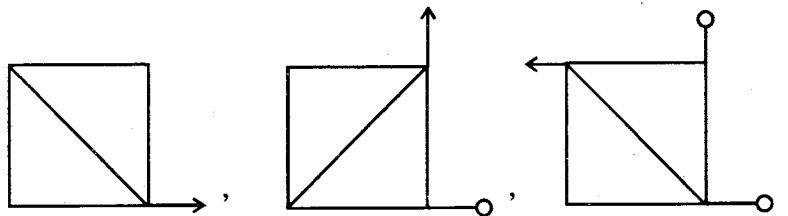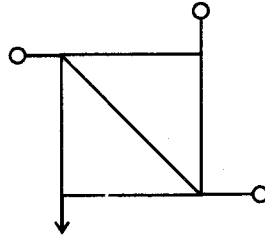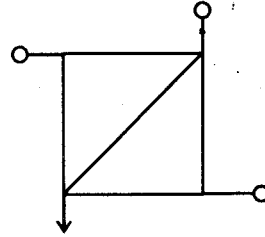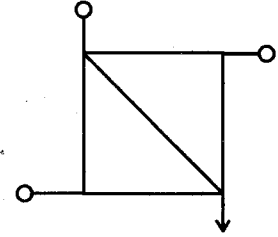
   (1)   (2)   (3)   (4)

6.   × ÷ + −, ÷ + − ×, + − × ÷, ?

(1)   − × ÷ +

(2)   − ÷ × +

(3)   × − ÷ +

(4)   + × ÷ −

· 7. 0, 7, 26, 63, ?

    (1)   125

    (2)   127

    (3)   129

    (4)   124

Instructions for Q. Nos. 8 to 10 : Select the term that will not match the group.

8. (1) Cup—Saucer   (2) Table—Chair

    (3) Cup—Board   (4) Shoes—Socks

9. (1) $\dfrac{3}{10}$ (2) $\dfrac{5}{24}$

    (3) $\dfrac{7}{50}$ (4) $\dfrac{9}{82}$

10.
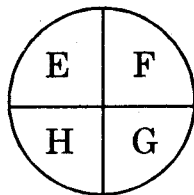
(1)   (2)   (3)   (4)
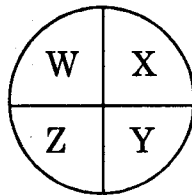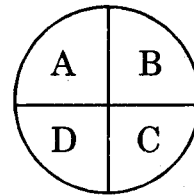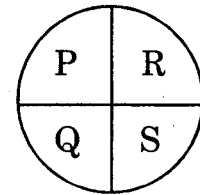
Instructions for Q. Nos. 11 to 13 : Find out the reflection image of the question figure observed in water from the given answer figures.
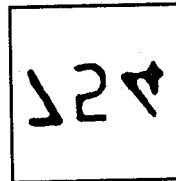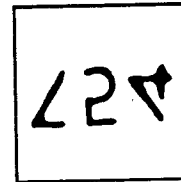
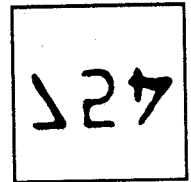**11.**   Question Figure   Answer Figures
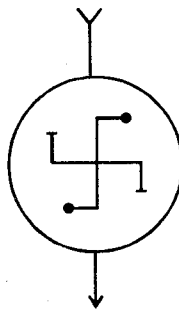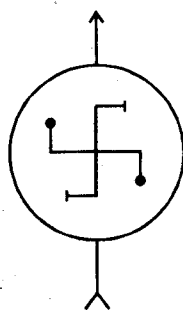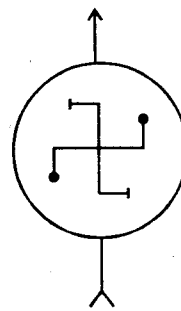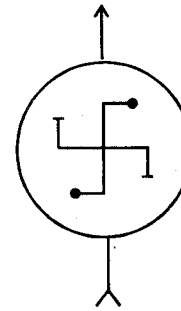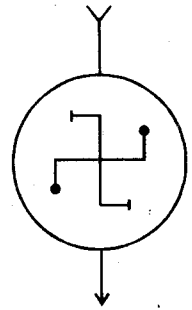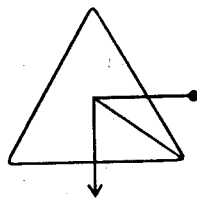

(1)   (2)   (3)   (4)

12. Question Figure
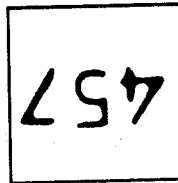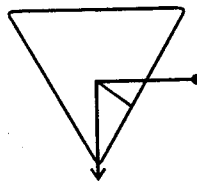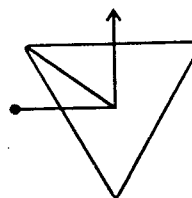
(1)　　　(2)　　　(3)　　　(4)

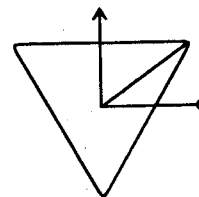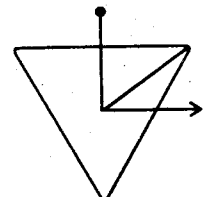**13. Question Figure**

Answer Figures

(1)　　　(2)　　　(3)　　　(4)

Instructions for Q. Nos. 14 to 16 : The first term and the second term holds a specific relationship. The same relationship holds true in the third and the fourth term. Select the correct alternative to replace the question mark.

14. king : queen : : bachelor :

(1)　bacheloress　　　　(2)　spinster
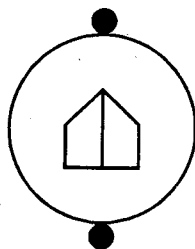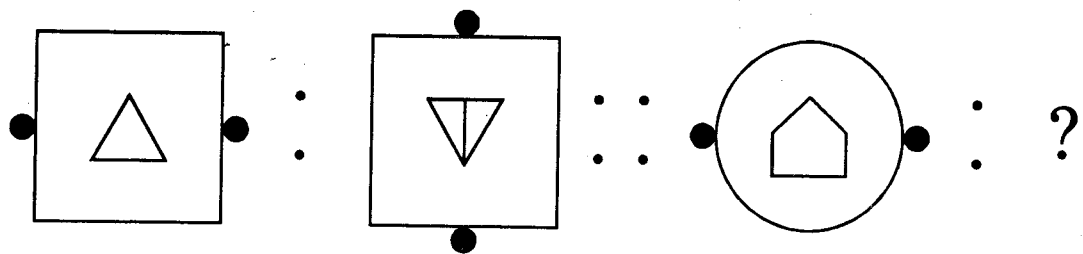
(3)　bride　　　　　　　(4)　bachelorest

15. 57 : 19 :: 63 : ?
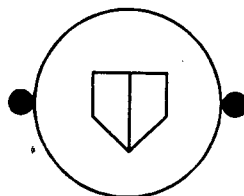
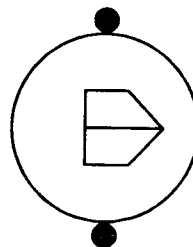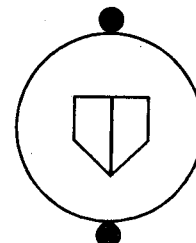(1)　21　　　　　　　　(2)　27

(3)　13　　　　　　　　(4)　32

16.

(1)　　　　(2)　　　　(3)　　　　(4)

17. There are seven boys standing in a row. Twice the number of this is the number of girls joining the same row. If Aditi is standing at the middle, what is her position ?

(1)　10

(2)　9

(3)　12

(4)　11

18. Madhav is facing the east direction. He turns to the right side at right-angle and stands upside down on his head. Which direction is pointed by his right hand ?
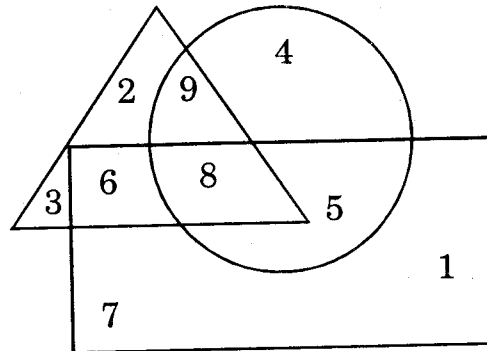
(1)　North

(2)　East

(3)　South

(4)　West

Instructions for Q. Nos. 19 and 20 : In the following Venn diagram the triangle represents the people travelling by train, rectangle represents by bus and circle represents by bicycle. Use the information and answer the questions given below :


19. How many people travel by all the three means ?

   (1)   14

   (2)   21

   (3)   8

   (4)   10

20. How many people travel only with one type of vehicle ?

   (1)   17

   (2)   14

   (3)   16

   (4)   13

21. In a certain code language 'NET' is written as 453, 'FAT' as 213 and 'MODE' as 6785. In the same language how will you write 'NAME' ?

   (1)   6123

   (2)   4185

   (3)   4523

   (4)   4165

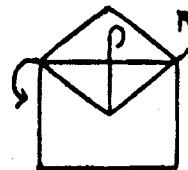**Instructions for Q. Nos. 22 and 23 : Select the correct mirror image of the question figure from the answer figures given below :**
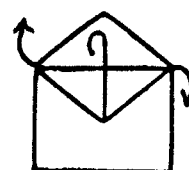
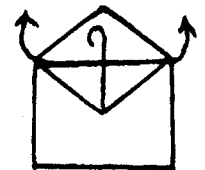22. **Question Figure**   **Answer Figures**
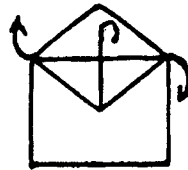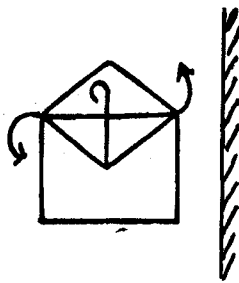
(1)   (2)   (3)   (4)
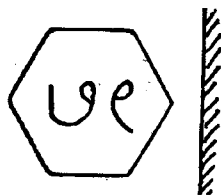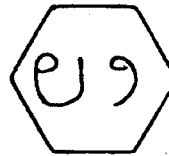
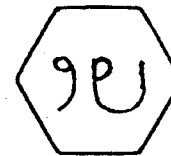23. **Question Figure**   **Answer Figures**

(1)   (2)   (3)   (4)

Instructions for Q. Nos. 24 to 26 : Select the correct alternative from the given answers to match the given group :

24. Langadi, Kabaddi, Kho-kho :

    (1)   Wrestling   (2)   Hide and seek

    (3)   Chess   (4)   Boxing
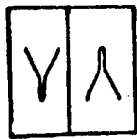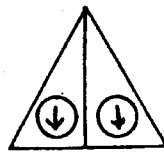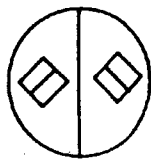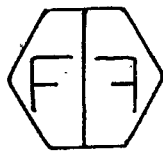
25. 85,   119,   17,   51,
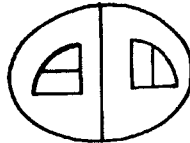
    (1)   108   (2)   153

    (3)   133   (4)   117

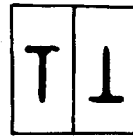**26.**

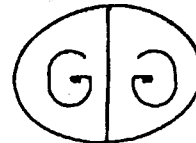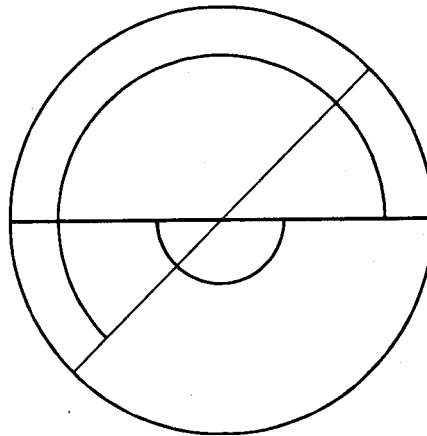**27.** In the following figure how many semicircles are there ?
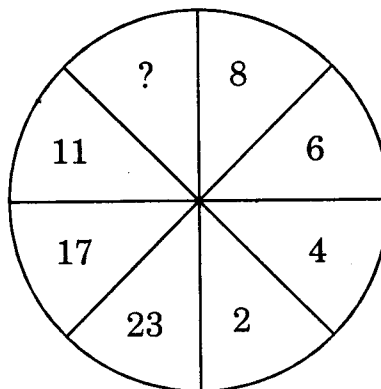

(1)　7　　　　　　　　　　　(2)　5

(3)　6　　　　　　　　　　　(4)　10

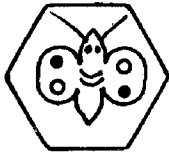**28.** In the following circle which alternative will replace the question mark ?

(1)　7　　　　　　　　　　　(2)　5

(3)　10　　　　　　　　　　(4)　16

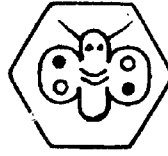**29.** Select the figure which is similar to the question figure :

**Question
Figure**

Answer Figures
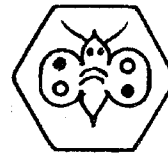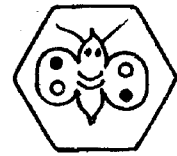
(1)   (2)   (3)   (4)

30. In the following figure what is the number of triangles and quadrilaterals respectively ?
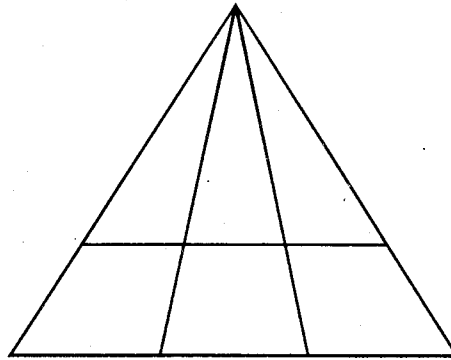
(1)   3, 3   (2)   12, 6

(3)   6, 12   (4)   3, 6

31. If 'Chaitra' month is called as 'Phalgun', 'Phalgun' as 'Vaishakh', 'Vaishakh' as 'Magh', 'Magh' as 'Jyeshta', then 'Holi' is celebrated in which month ?

(1)   Chaitra   (2)   Phalgun

(3)   Vaishakh   (4)   Magh

**Instructions for Q. Nos. 32 and 33 : In a certain code language alphabets are coded as symbols. Observe them carefully and solve the questions given below :**

Letters	M	P	S	O	L	B	E	U	I	J	T
Symbols	△	⊕	⸸	▢	⊙	⊠	⦁	↓	∪	×	∩

32. How will you write 'MOBILE' ?

   (1) ▢△⊠↓×∩   (2) △▢⊕×⦁

   (3) △▢⊠∪⊙⦁   (4) ⊠⸸△⊕×∩

33. Which of the following words is represented by '⸸∩▢⊕' ?

   (1)   stnd   (2)   stup
   (3)   stmp   (4)   stop

34. Which of the following actions is *correct* ?
    When your school has organised a 'Blood donation camp' in the school on account of 'Independence Day' ?
    (1)   Pratap told the people who were coming not donate the blood.
    (2)   Amey tore the banners which wrote slogan 'Blood donation–Best donation'.
   (3)   Sanket remained absent because he did't want to help in the camp.
    (4)   Akshay brought his father to donate blood.

35. If you see a small bird fallen from the tree in your school garden then what will you do ?
    (1)   I will leave the bird as it because I will get late.
    (2)   I will pick up the bird carefully and give it to the gardener.
    (3)   I will call all my friends, sit and play with the bird.
    (4)   I will pick up the bird carefully and throw it in the dustbin.

SECTION II

GENERAL SCIENCE

(Marks : 30)

36. Which of the following fruit contains many seeds ?

    (1)   Mango   (2)   *Cashewnuts*

    (3)   Custard apple   (4)   Jambhul

37. If you match Column A with Column B then which term of Column B remains unmatched :

	Column A		Column B
(i)	Bhel is sour in taste.	(a)	eyes
(ii)	Cuckoo is singing.	(b)	ears
(iii)	Big waves are seen in the sea.	(c)	tongue
		(d)	nose

    (1)   nose   (2)   tongue

    (3)   eyes   (4)   ears

38. Which of the following contains involuntary muscles ?

    (1)   Heart   (2)   Hand

    (3)   Leg   (4)   Tongue

39. Which of the given statements is *false* regarding the storage of wheat, jowar, bajara, rice and pulses ?

    (1)   it must be kept in enough sunlight before storing

    (2)   store in dry place

    (3)   keep it in a refrigerator

    (4)   use pesticides

40. What is the age when milk teeth fall and permanent teeth grow ?

    (1)   after 1 year   (2)   after 4 years

    (3)   after 2 years   (4)   after 8 years

41. Which of the following is *wrong* ?

(1) chop the vegetables and then wash them nicely

(2) eat clean and fresh vegetables

(3) *do not cook the fruit vegetables more*

(4) carrot, cucumber must be eaten raw

42. Fish has......................for respiration.

(1) Wings   (2) Gills

(3) Lungs   (4) Scales

43. Who is responsible to keep the park clean ?

(1) Corporator

(2) Zilla Parishad

(3) All elders and youngers who come in the park

(4) Security of the park

44. Which of the given plant is used for making furniture ?

(1) Sandal   (2) Sagwan

(3) Bamboo   (4) Babool

45. Which of the following is the fastest method of communication used today ?

(1) Telephone   (2) Telegram

(3) Message giving person   (4) Horse rider giving message

46. We must use the natural resources economically because :

(1) it is available unlimitedly   (2) it is costly to produce

(3) it is available limitedly   (4) discovering them is difficult

47. How is the climate on the coastal areas ?

(1) *Cold*   (2) Hot

(3) Dry   (4) Humid

48. Which of the following animals swallows its prey as it is ?

(1) Tiger

(2) Sheep

(3) Lizard

(4) Monkey

49. In the given group which type of substance is maximum :

(water, stone, air, milk, petrol, mud, wood, oxygen, nails, chalk, kerosene, bricks, nitrogen, juice, hydrogen)

(1) Solid

(2) Liquid

(3) Gas

(4) Can't say

50. ....always moves down the slope.

(1) Solid

(2) Liquid

(3) Metal

(4) Gas