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0503

VSA (English Medium)

Paper No. III

Intelligence Test

Time : 3 P.M. to 4 P.M.

Pages : 14

and General Science

Total Marks : 100

Instructions :—

- (1) This question paper contains **50** questions carrying **2** marks each.
- (2) *All* questions are compulsory.
- (3) A separate answer-sheet is provided. Every question has four alternatives to choose your answer from. These alternatives are numbered 1, 2, 3, 4. Out of these only one choice of answer is correct. This correct alternative number should be written in the block provided in the answer-sheet, next to the corresponding question number, e.g.

2

.
- (4) As far as possible, avoid any cancellations.
- (5) While correcting the answer, cancel the wrong answer number by drawing three lines across it as shown

3

. The corrected answer number should be written next to the cancelled block, to look like

3

 2.
- (6) The correction can be done only once for each question.
- (7) More than **5** corrections will not be given marks.
- (8) If you don't know the answer to a question, go on to attempt the next ones. After you have answered the whole paper, attempt the remaining questions.
- (9) A space has been provided on every question paper for rough work. Use only that space for your rough work.
- (10) In this question paper in Section I **25** questions are of Intelligence Test and in Section II **25** questions are of General Science.

SECTION I

INTELLIGENCE TEST

Instructions for Q. No. 1 and Q. No. 2 :

There is a correlation between first and second term, same relationship between third term and fourth term. Find the correct answer in place of question mark.

1. $2 : 19 :: 4 : ?$

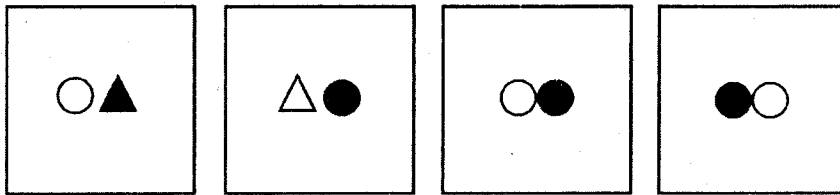
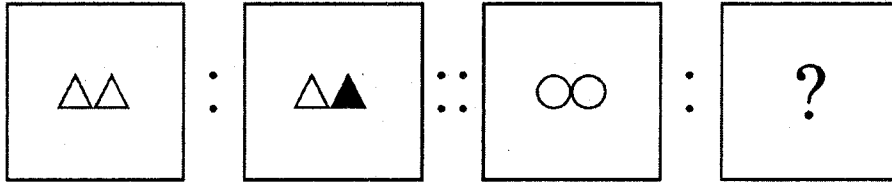
(1) 20

(2) 28

~~(3) 37~~

(4) 23

2.



(1)

(2)

~~(3)~~

(4)

Instructions for Q. Nos. 3 and 4 :

Select the term from the alternatives which fits in the set.

3. Ribbed gourd, bitter gourd, squash,

(1) Foenugreek grass

(2) Brinjal.

~~(3) Potato~~

(4) Spinach

4. 2, 17, 23,

(1) 14

(2) 27

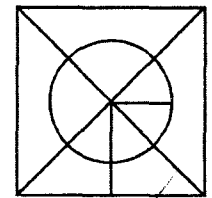
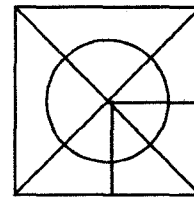
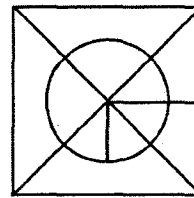
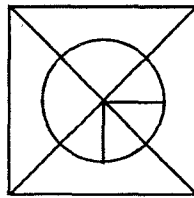
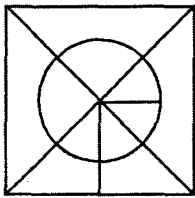
(3) 21

(4) 31

5. Select the exact matching figure from the given alternatives :

Question Figure

Answer Figures



(1)

(2)

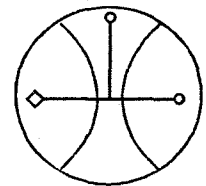
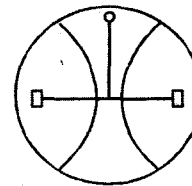
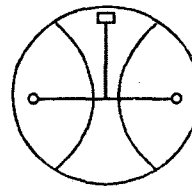
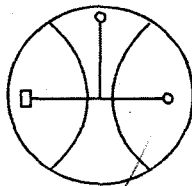
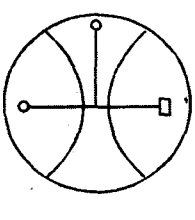
(3)

(4)

6. Select the mirror-image of the given question figure :

Question Figure

Answer Figures



(1)

(2)

(3)

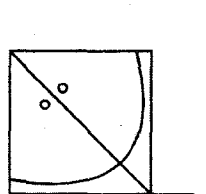
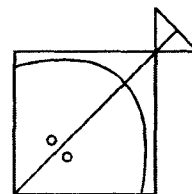
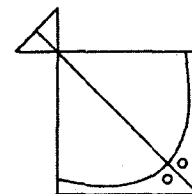
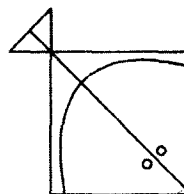
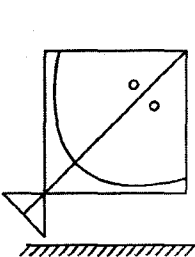
(4)

Instructions for Q. No. 7 and Q. No. 8 :

Find the water image from the following alternatives.

7. **Question Figure**

Answer Figures



(1)

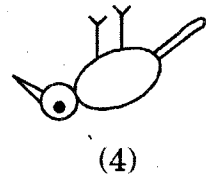
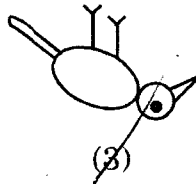
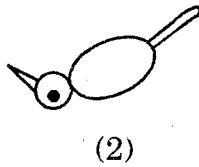
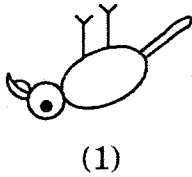
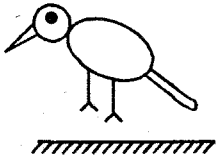
(2)

(3)

(4)

8. Question Figure

Answer Figures



Instructions for Q. No. 9 to Q. No. 11 :

Find the term which does not fit in the set of terms.

9. Tabla, Dholki, Mrudung, Veena :

(1) Tabla

(2) Dholki

(3) Mrudung

(4) Veena

10. 102, 237, 153, 204 :

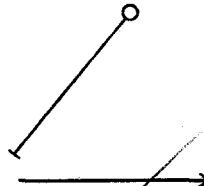
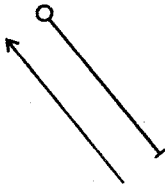
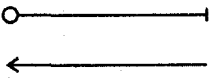
(1) 102

(2) 237

(3) 153

(4) 204

11.



(1)

(2)

(3)

(4)

12. In '9 2 7 2 2 3 4 5 2 2 1 2 3 3 7 2 8' series of numbers how many times the double numbers have come ?

(1) One time

(2) Two times

(3) Three times

(4) Four times

13. Write your answers, the questions are based on the series of letters 'D P N K G M D T N G'.

How many alphabets from the above series have been repeated for equal number of times ?

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

14. In the following series of numbers, which number will come in place of question mark :

1, 3, 6, 11, 18, ?

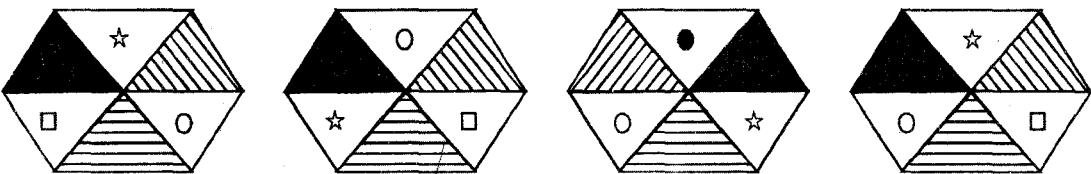
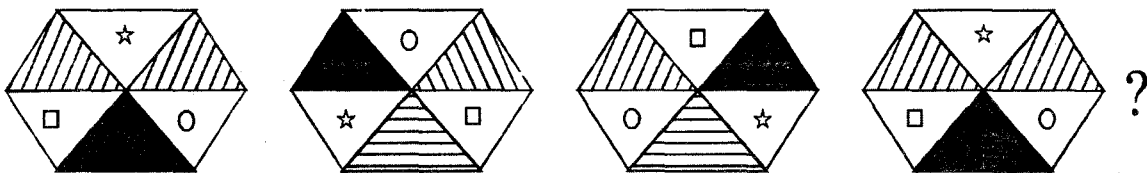
- (1) 20 (2) 30
 (3) 27 (4) 29

15. In the following series of symbols, which symbol will come in place of question mark ?

$\times \circ + \Delta, + \circ \times \Delta, \times \circ + \Delta, + \circ \times \Delta, ?$

- (1) $\times \circ + \Delta$ (2) $+ \Delta \times \circ$
 (3) $\Delta + \circ \times$ (4) $\circ \times \Delta +$

16. In the following series of figures, which figure will come in place of question mark ?



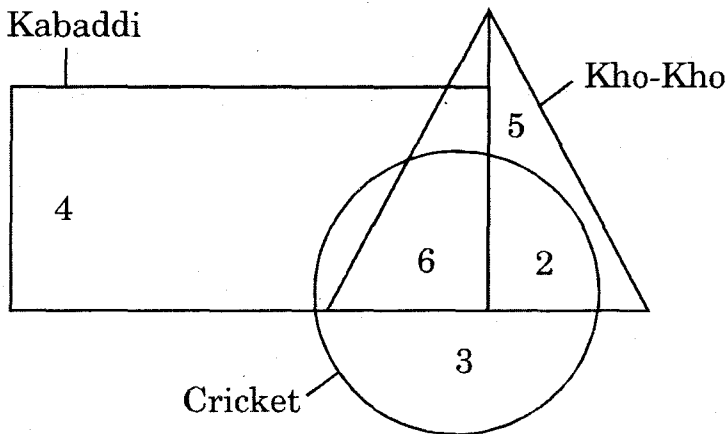
(1)

(2)

(3)

(4)

17. In the following figure, the triangle represents the number of Kho-Kho players, circle that of Cricket players, rectangle that of Kabaddi players. Then find the number of players playing both, only Kho-Kho and Cricket?



(1) 2

(2) 5

(3) 6

(4) 10

18. In a certain code language, if $1 = 3$, $3 = 5$ and $5 = 7$. Then find the value of $3 \times 5 + 1$.

(1) 38

(2) 16

(3) 50

(4) 18

19. In a certain code language, if $D = 6$, $F = 4$, $I = 1$ and $J = 0$. Then $I \times J + D - F = \dots\dots\dots$

(1) 0

(2) 12

(3) 2

(4) 3

20. Abhijit is standing facing to East. If he turns to his left in right angle, his right hand will show which direction ?

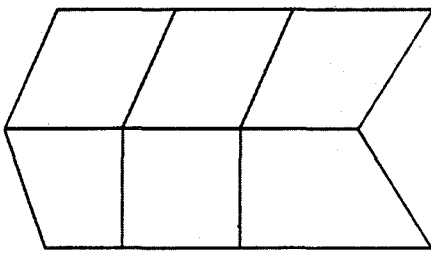
(1) South

(2) North

(3) East

(4) West

21.



How many quadrilaterals are formed in the given figure ?

- (1) 6 (2) 16
(3) 12 (4) 14

22. The student were taken for a picnic to visit 'Raman Vigyan Kendra', Nagpur. Which of the following activities is wrong on their part ?

- (1) Put Banana skins in the dustbin
(2) They decided to perform the scientific experiments at home, which they saw at the science centre
(3) They carried home one of the apparatus with them
(4) They decided to do sky watching at every night

23. What will you do, if you find that your neighbour Mr. Deshmukh's letter is dropped in your letter box ?

- (1) You will tear it
(2) You will hide it under your bed on the cot
(3) You will hand it over immediately
(4) You will read it and then will give it

24. 13 students are standing in a line having 5 m distance between two students. Find the length of the line.

- (1) 65 m (2) 55 m
(3) 60 m (4) 70 m

25. The first day of the year 2003 was Wednesday, what was the day on 1st April, 2003 ?

- (1) Tuesday (2) Thursday
(3) Monday (4) Wednesday

SECTION II

GENERAL SCIENCE

26. When the heart beats increase, what sound do we hear ?

- (1) Sound of palpitation
- (2) Sound of thunder
- (3) Sound of lightning
- (4) Sound of things lying about

27. Arrange these organs in proper order :

- (a) Food pipe
- (b) Large intestine
- (c) Small intestine
- (d) Stomach

- (1) (c) (b) (d) (a)
- (2) (a) (b) (c) (d)
- (3) (d) (c) (b) (a)
- (4) (a) (d) (c) (b)

28. Uncovered food becomes harmful because of :

- (1) wind and water
- (2) dust and flies
- (3) mosquitoes and wind
- (4) oil and water

29. Which method is ideal to make the water safe to drink ?

- (1) To stir (2) To cool
(3) To store (4) To boil

30. Cold is the disease, spreads through

- (1) air (2) water
(3) food (4) insects

31. If a glass is covered by a black paper from one side, then

- (1) it will be a mirror
(2) the glass will be translucent
(3) the glass will appear opaque
(4) the glass will be transparent

32. The garbage collected in the garden should be

- (1) thrown on the road
(2) thrown in front of neighbour's house
(3) burnt
(4) used for making earthworm compost

33. Find the odd man out :

- (1) chikoo (2) apple
(3) grape (4) banana

34. Name the transparent substance from the given :

- (1) paper (2) lantern glass
(3) opaque glass (4) muddy water

35. Wax is soluble in
- (1) turpentine (2) hot water
(3) water (4) coconut oil
36. The flakes looking like fluffy bits of cotton means
- (1) cotton (2) mist
(3) snow (4) hailstone
37. The crop of oranges destroy due to :
- (1) rain (2) hot sun
(3) cold weather (4) cloudy weather
38. Find the odd man out :
- (1) sweater (2) shirt
(3) woollen cap (4) hand-gloves
39. In which instruction the work does not take place ?
- (1) Children, sit quietly in one place
(2) Children, play on the ground
(3) Children, swing on the swing
(4) Clean the board
40. Which energy is created in the burning of a cracker ?
- (1) Light and sound energy
(2) Sound and thermal energy
(3) Light, sound and thermal energy
(4) Light and thermal energy

41. Which seed is a hybrid seed of Bajra ?
- (1) HB-2 (2) HB-1
(3) HB (4) BB-202
42. Which pair is wrong from the given pairs ?
- (1) Trees—Solar energy
(2) Preparation of salt—Solar energy
(3) Cycle—Solar energy
(4) Solar cooker—Solar energy
43. Which soil is helpful for having crop in abundance ?
- (1) Clayey soil (2) Sandy soil
(3) Humus (4) Red soil
44. The excess use of chemical fertilizers result in :
- (1) spoiling the fertility of soil
(2) increasing the fertility of soil
(3) absorbing more water
(4) no effect on the fertility of the soil
45. If the grain is stored in wicker bin then :
- (1) it prevents fungus to grains
(2) it is destroyed by the mouse and rats
(3) the grain is in humid and damp place
(4) the grain is in dry and airy place
46. How many of the following are non-living elements ?
a dog, water, a land, a tree, a cat.
- (1) 5 (2) 2
(3) 4 (4) 3

47. Fill in the blank by referring the first pair in the question :

A crab : Slit in the rock :: : burrow

- (1) a rabbit (2) a cock
(3) a crocodile (4) a tortoise

48. In which part of a tree, the food is not stored ?

- (1) a stem (2) a fruit
(3) a root (4) a petal of a flower

49. In the case of which plant, a dispersal of seeds by water takes place ?

- (1) Jamun (2) Coconut
(3) Guava (4) Drumstick

50. Which activity is correct according to your thinking ?

- (1) Sunita puts flower in her hair
(2) Madhu sprays chemical fertilizer on a tree
(3) Govinda plants one plant every year
(4) Sadashiv cuts a tree every year