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<b>0502</b>
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## VSA (English Medium)

Paper No. II

### Mathematics

Time : 1 P.M. to 2 P.M.

Pages : 12

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
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.
- (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 

<del>3</del>
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. The corrected answer number should be written next to the cancelled block, to look like 

<del>3</del>
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 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) Space has been provided in every question paper for rough work. Use only that space for your rough work.

1.  $524 + 213 = \dots\dots\dots$

(1) 731

~~(2) 737~~

(3) 337

(4) 736

2.  $23 \times 10 = \dots\dots\dots$

~~(1) 230~~

(2) 23

(3) 0

(4) 2300

3. Number 24 can be expressed in Roman numbers as.....

(1) XIV

(2) XXVI

(3) XVI

~~(4) XXIV~~

4. Seven thousand six hundred and thirty eight is expressed in figures as.....

~~(1) 7,638~~

(2) 6,738

(3) 7,368

(4) 7,628

5. Rs. 8 = .....paise.

(1) 80

~~(2) 800~~

(3) 8000

(4) 108

6. The expanded form '6,000 + 200 + 30 + 5' is of the number.....

(1) 6,335

(2) 6,135

~~(3) 6,235~~

(4) 2,635


7. How many days make 3 weeks ?  
 (1) 90 (2) 30  
 (3) 24 (4) ~~21~~
8. 5 hours =.....minutes.  
 (1) ~~300~~ (2) 500  
 (3) 30 (4) 120
9. 'Numerator seven, denominator twelve' can be written in fraction number as.....  
 (1)  ~~$\frac{7}{12}$~~  (2)  $\frac{12}{7}$   
 (3)  $\frac{7}{21}$  (4)  $\frac{21}{7}$
10. 3 metres 9 cm =.....cms.  
 (1) ~~39~~ (2) 390  
 (3) 309 (4) 3009
11.  $\frac{3}{13} + \frac{6}{13} = \dots\dots\dots$   
 (1)  $\frac{18}{13}$  (2)  $\frac{3}{13}$   
 (3)  $\frac{9}{26}$  (4)  ~~$\frac{9}{13}$~~
12.  $\frac{9}{16}$  part of the wall was remained for painting. If  $\frac{5}{16}$  part of it is painted, find out that how much part of the wall is still to be painted ?  
 (1)  $\frac{14}{16}$  (2)  $\frac{3}{16}$   
 (3)  ~~$\frac{4}{16}$~~  (4)  $\frac{7}{16}$

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**SPACE FOR ROUGH WORK**

13. '2.35' is read as.....

- (1) two integer three five      (2) two decimal point five three  
~~(3)~~ two point three five      (4) twenty three decimal point five

14.  Name the type of angle in the given figure.

- (1) An obtuse angle      (2) A right angle  
~~(3)~~ An acute angle      (4) A linear angle

15. The.....angle(s) of a square are right angles.

- (1) one      (2) two  
(3) three      ~~(4)~~ four

16. Fill in the blank by the proper sign of comparison :

$$3045 \square 2902.$$

- (1) <      ~~(2)~~ >  
(3) =      (4) ^

17.  $2643 + 1956 = \dots\dots\dots$

- (1) 1599      (2) 3599  
~~(3)~~ 4599      (4) 4598

18. Which prime number falls between 32 and 39 ?

- ~~(1)~~ 37      (2) 35  
(3) 33      (4) 38

19.  $4956 - 243 = \dots\dots\dots$

(1) 4719

(2) 4713

(3) 2526

(4) 4799

20.  $536 \div 4 = \dots\dots\dots$

(1) 132

(2) 124

(3) 134

(4) 114

21. If we buy three and a half litre milk daily, what is the quantity of milk is bought in 5 days ?

(1) Fifteen and a half

(2) Seventeen

(3) Fifteen

(4) Seventeen and a half

22.  $207 \times 12 = \dots\dots\dots$

(1) 2404

(2) 2472

(3) 2460

(4) 2484

23. If 10 kg 120 gms sugar is equally distributed among 4 people, what is the share each one will get ?

(1) 2 kg 430 gms

(2) 25 kg 30 gms

(3) 20 kg 530 gms

(4) 2 kg 530 gms

24.  $\dots\dots\dots$  are the factors of 48.

(1) 5, 9

(2) 9, 11

(3) 15, 7

(4) 12, 4

25. If 4 m 85 cm long string is cut from the 7 metre long string, what is the length of the remaining portion of the string ?

(1) 3 m 15 cm                      (2) 2 m 15 cm

(3) 15 m 15 cm                      (4) 3 m 85 cm

26. It was Tuesday on 10th June, 2003, which day was on 19th June, 2003 ?

(1) Wednesday                      (2) Thursday

(3) Friday                              (4) Tuesday

27. 504 metres long wire is cut at 8 places to have equal pieces. Find the length of each piece of wire in metres.

(1) 56                                      (2) 68

(3) 63                                      (4) 54

28. 12 kg =.....gms.

(1) 1200                                  (2) 120

(3) 12,000                                (4) 10,200

29. If 50 paise worth 36 coins are given away and in exchange coins of Rs. 2 each are taken, how many coins we will get worth Rs. 2 ?

(1) 90                                      (2) 9

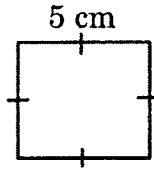
(3) 900                                    (4) 19

30. 3475 milli litre =  lit.  ml

Fill in the blanks by selecting *correct* alternative.

(1) 3 lit. 475 mil. lit.                      (2) 34 lit. 75 mil. lit.

(3) 347 lit. 5 mil. lit.                      (4) 3 lit. 457 mil. lit.



31. Find the perimeter of the given figure

- (1) 10 cm                      ~~(2)~~ 20 cm  
 (3) 25 cm                      (4) 15 cm

32. The length of a rectangular garden is 45 metres. To have a seven layered fencing around a rectangular garden, 952 metre wire is required. Find the breadth of the garden.

- (1) 46                              (2) 30  
 (3) 23                              (4) 27

33.  $\frac{7}{16}$    $\frac{7}{12}$ . In the box, fill in the *correct* sign of the comparison.

- ~~(1)~~ >                              (2) <  
 (3) =                              (4) ^

34. The reduced form of  $\frac{12}{18}$  is.....

- (1)  $\frac{4}{6}$                               (2)  $\frac{6}{9}$   
 (3)  $\frac{2}{5}$                               ~~(4)~~  $\frac{2}{3}$

35. There are 1,275 trees in a garden. Out of them 850 are of mango, 75 are of coconut and remaining are of Jackfruit. What is the number of Jackfruit trees in that garden ?

- ~~(1)~~ 350                              (2) 925  
 (3) 450                              (4) 250

36. The improper fraction of the fraction  $3\frac{6}{7}$  is.....

~~(1)~~  $\frac{27}{7}$

(2)  $\frac{9}{7}$

(3)  $\frac{15}{7}$

(4)  $\frac{27}{6}$

37. Ajit has 64 coins worth 25 paise, and some 50 paise coins. He has total amount of Rs. 100 with him. What is the total number of coins he has ?

(1) 332

(2) 168

(3) 232

(4) 102

38. The proper fraction of  $\frac{35}{8}$  can be written as.....

(1)  $4\frac{8}{3}$

~~(2)~~  $4\frac{3}{8}$

(3)  $3\frac{4}{8}$

(4)  $5\frac{3}{8}$

39. '3 \* 43' is exactly divisible by 3; which number in the place of star-mark will make the number correct ?

~~(1)~~ 3

~~(2)~~ 2

(3) 0

(4) 7

40. 18 beads make one necklace. Like this 32 necklaces are made. If in each necklace, 8 beads are put, how many necklaces can be made out of all these beads ?

(1) 58

(2) 82

(3) 62

(4) 72



41.  $\frac{15}{100}$  can be written in decimal fraction as.....

(1) 0.015

(2) 0.15

(3) 1.5

(4) 0.105

42. The product of the numbers  $215 \times 43 = \dots\dots\dots$

(1) 7310

(2) 1505

(3) 9245

(4) 8245

43.  $4\frac{9}{100}$  can be written in the decimal fraction form as.....

(1) 4.0009

(2) 4.90

(3) 4.009

(4) 4.09

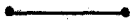
44.  $24 - 3 \times 9 \div 27 + 5 = \dots\dots\dots$

(1) 23

(2) 28

(3) 18

(4) 21

45.  This figure is known as

(1) a segment

(2) a ray

(3) a line

(4) an angle

46. 
$$\begin{array}{r} 6000 \\ -1098 \\ \hline \end{array}$$
 The answer is :

- (1) 4902 (2) 5098  
(3) 7098 (4) 5912
47. In isosceles triangle, how many sides are equal ?  
(1) Four (2) Two  
(3) Three (4) One
48. 4750 is read as.....  
(1) four and a quarter thousand  
(2) four and a half thousand  
(3) three and three quarters thousand  
(4) four and three quarters thousand
49. A quadrilateral has.....vertices.  
(1) four (2) two  
(3) three (4) one
50. Pratibha had 1940 apples. She packed them as 36 in one box. She sold 20 boxes of apples and threw away 72 spoilt apples. Then find out that how many apples were left with her ?  
(1) 1248 (2) 1292  
(3) 1148 (4) 1192