

2006

Seat No.

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**0502**

## 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.  $406 \times 56 =$

(1) 4466

(2) 22736

(3) 22336

(4) 2036

2. Which is incorrect reading of decimal fraction 4.79 ?

(1) Four point seventy nine

(2) Four integer seventy nine tens

(3) Four decimal point seventy nine

(4) Four hundred seventy nine upon hundred

3. One and half kilograms =.....gms.

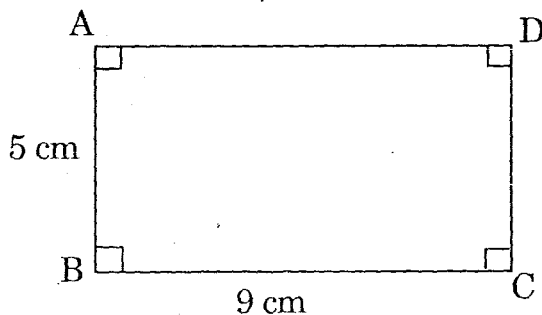
(1) 1.5

(2) 1.05

(3) 150

(4) 1500

4. Quadrilateral ABCD is a rectangle. Side AB = 5 cm and side BC = 9 cm. What is length of side AD ?



(1) 4 cm

(2) 5 cm

(3) 9 cm

(4) 14 cm

5.  $\frac{2}{9} + \frac{4}{9} = ?$

(1)  $\frac{6}{18}$

(2)  $\frac{6}{81}$

(3)  $\frac{8}{81}$

(4)  $\frac{6}{9}$

6. A quadrilateral which has all its sides of equal length is called :

(1) Rectangle

(2) Rhombus

(3) Kite

(4) Parallelogram

7. If the mixed number  $5\frac{7}{11}$  is written as improper fraction, then by how much is the numerator of the improper fraction more than four times the denominator ?

(1) 18

(2) 17

(3) 11

(4) 10

8. Fill the rectangular box with the correct symbol given below :

7 T  3 Th

(1) <

(2) >

(3) =

(4) ^

9.  $\frac{17}{1000}$  can be written in decimal fraction form as :

(1) 0.0017

(2) 1.7

(3) 0.17

(4) 0.017

10. On dividing a number by 9, the quotient is 8 and the remainder is 5. What is the number ?

(1) 72

(2) 67

(3) 77

(4) 53

11. Reduce  $\frac{26}{624}$  to its lowest form.

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

(2)  $\frac{2}{14}$

(3)  $\frac{6}{312}$

(4)  $\frac{1}{24}$

12. Twenty five thousand two hundred and twenty five is written in figures as :

(1) 25250

(2) 25025

(3) 25255

(4) 25225

13.  $901 - 888 = \dots\dots\dots$

(1) 123

(2) 187

(3) 13

(4) 103

14. Ram had 42 beads. He gave 7 beads to his friend. His mother gave him twice the number of beads that were left with him. How many beads does Ram have now ?

(1) 105

(2) 70

(3) 98

(4) 77

15. Which of these is a set of prime numbers ?

(1) 1, 7, 11

(2) 3, 7, 21

(3) 2, 31, 37

(4) 2, 9, 17

16. The perimeter of an equilateral triangle is 36 cm. What is length of each of its side ?

(1) 6 cm

(2) 12 cm

(3) 72 cm

(4) 108 cm

17. Represent  $\frac{7}{5}$  in decimal form.

(1) 5.7

(2) 7.5

(3) 1.4

(4) 0.57

18. If 1 litre 250 ml of milk is bought daily, then how much milk is bought in a week ?
- (1) 7 litres (2) 7 litres 250 ml  
(3) 7 litres 750 ml (4) 8 litres 750 ml
19. Rs. 11 and paise 75 =.....paise.
- (1) 11750 (2) 117500  
(3) 1175 (4) 185
20.  $4302 + 217 = \dots\dots\dots$
- (1) 4519 (2) 4329  
(3) 6519 (4) 4589
21. If 14 coins of 50 paise and 19 coins of Re. 1 are exchanged for coins of Rs. 2, then how many Rs. 2 coins will we get ?
- (1) 26 (2) 13  
(3) 18 (4) 12
22. 740 cm =.....
- (1) 7 m 4 cm (2) 74 m  
(3) 70 m 4 cm (4) 7 m 40 cm
23. In a village, there are 6718 males and 5829 females. If there are 7548 literates, then how many illiterates are there in the village ?
- (1) 4999 (2) 7059  
(3) 20095 (4) 8437
24. 25 has.....divisors.
- (1) 1 (2) 3  
(3) 5 (4) 25
-

25. 5 m 5 cm =.....cm.

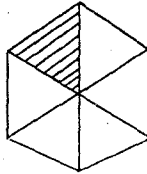
(1) 55

(2) 550

(3) 505

(4) 5005

26. What fraction is represented by the shaded part shown in the figure



(1)  $\frac{1}{5}$

(2)  $\frac{5}{6}$

(3)  $\frac{6}{5}$

(4)  $\frac{1}{6}$

27.  $45 \times 100 = \dots\dots\dots$

(1) 450

(2) 4500

(3) 45000

(4) 4005

28.  $\frac{3}{7}$  part of water was used from a barrel filled to the brim. How much water is left in the barrel ?

(1)  $\frac{7}{4}$

(2)  $\frac{4}{7}$

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

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

29.  $6487 + 3121 = \dots\dots\dots$

- (1) 9608 (2) 3666  
(3) 9508 (4) 9506

30. 18250 is written in words as :

- (1) Eighteen thousand five hundred  
(2) Eighteen thousand two hundred and fifty  
(3) Seventeen thousand seven hundred and fifty  
(4) Eighteen thousand and seven hundred fifty

31. When does the hour hand and the minute hand of a clock form a right angle ?

- (1) Half past three (2) Quarter past six  
(3) 3 O'clock (4) Half past nine

32. If 125 cm is cut from a string 4.65 m in length, then what is the length of the remaining part of the string ?

- (1) 5.90 m (2) 3.04 m  
(3) 4.525 m (4) 3.40 m

33.  $217 \times 16 = \dots\dots\dots$

- (1) 3262 (2) 3372  
(3) 3242 (4) 3472

34. If the weekly wages of 14 workers is Rs. 7056, how much would 10 workers earn in a day ?

- (1) Rs. 5040 (2) Rs. 720  
(3) Rs. 72 (4) Rs. 504

35. One loaf of bread is distributed among the children.  $\frac{2}{4}$  of it is given to Ramesh,  $\frac{2}{8}$  of it is given to Umesh,  $\frac{2}{12}$  of it is given to Satish and  $\frac{2}{24}$  of it is given to Rhishikesh. Who, among them, would get the smallest share ?

- (1) Ramesh (2) Umesh  
(3) Rhishikesh (4) Satish

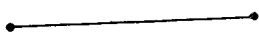
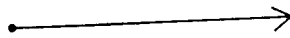

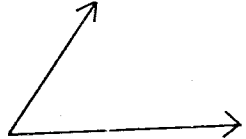
36. How much sugar is required to be distributed among 3 children, if each gets 750 gms of sugar ?

- (1) 2.250 kg (2) 2.500 kg  
(3) 22.50 kg (4) 225.0 grams

37.  $51 - 12 \div 3 + 1 = ?$

- (1) 54 (2) 48  
(3) 14 (4) 46

38. Which of the following is a line segment ?

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

39. Which smallest digit will replace \* in the number  $5 * 74$ , so that the number is divisible by 3.

- (1) 5 (2) 8  
(3) 1 (4) 2



40. 48 days = how many weeks and how many days.
- (1) 6 weeks (2) 6 weeks, 6 days  
(3) 8 weeks, 4 days (4) 6 weeks, 5 days
41. The perimeter of an equilateral triangle is 30 cm. If two such equilateral triangles are joined side to side, what is the perimeter of the resulting quadrilateral ?
- (1) 40 cm (2) 15 cm  
(3) 60 cm (4) 90 cm
42. If 4730, 4479, 4088, 4548 are arranged in the ascending order, which number will be the highest ?
- (1) 4548 (2) 4479  
(3) 4730 (4) 4088
43.  $6405 - 305 = \dots\dots\dots$
- (1) 6100 (2) 6700  
(3) 5100 (4) 3355
44. What is the difference of the place values of the digits in the tens and in the hundreds place of the number 325 ?
- (1) 180 (2) 280  
(3) 275 (4) 325
45. What is the total volume of the mixture if 50 ml oil is added to 3 litres 700 ml of petrol ?
- (1) 37.50 litres (2) 3.200 litres  
(3) 3.750 litres (4) 4.200 litres
-

46. 4 hours 39 minutes =.....minutes.

(1) 439

(2) 269

(3) 278

(4) 279

47. If the mixed number  $6\frac{2}{7}$  is written as an improper fraction and denoted as  $\frac{**}{* + 3}$ , which of the following digit would replace the \* ?

(1) 3

(2) 4

(3) 5

(4) 6

48. Joseph had Rs. 12 and paise 50. His mother gave him Rs. 14. What is total amount of rupees he has ?

(1) Rs. 26 and paise 60

(2) Rs. 26

(3) Rs. 26 and paise 50

(4) Rs. 27

49. The smaller side of a kite measures 8 cm and longer side measures 10 cm. The perimeter of the kite is :

(1) 18 cm

(2) 36 cm

(3) 26 cm

(4) 80 cm

50. If 3rd of April falls on Saturday, what will be the date of the last Saturday of the same month ?

(1) 31

(2) 17

(3) 24

(4) 29