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0502

VSA (English Medium)

Paper No. II

Mathematics

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

Pages : 14

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 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.

4

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- (4) The correct alternative should be written in English number only. Answers in any other language will not be considered.
- (5) As far as possible avoid cancellations and overwriting. Answers written in this way will not be considered.
- (6) Answers should be written in blue or black ink pen or ball point pen. Answer written in pencil or red or any other coloured ink will not be checked.
- (7) 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.
- (8) The correction can be done only **once** for each question.
- (9) In one subject maximum **five** corrections will be considered. More than **five** corrections will not be given marks.
- (10) Space for rough work has been provided in the question paper.

1. How is the number 9059 written in words ?
- (1) Nine thousand and ninety five
 - (2) Nine thousand five hundred and nine
 - (3) Nine thousand and fifty nine
 - (4) Nine hundred and fifty nine
2. How is the number 'eight thousand seven hundred and three' written in digits ?
- (1) 8073
 - (2) 8703
 - (3) 8730
 - (4) 87003
3. $630 \div 9 = \dots\dots\dots?$
- (1) 7
 - (2) 610
 - (3) 71
 - (4) 70
4. $742 + 215 = \dots\dots\dots?$
- (1) 857
 - (2) 975
 - (3) 957
 - (4) 527
5. $7036 + 4595 = \dots\dots\dots?$
- (1) 11461
 - (2) 11631
 - (3) 11531
 - (4) 10631

6. Quarter past one hour =.....minutes.
- (1) 75 (2) 125
(3) 85 (4) 115
7. What is sum of odd prime numbers between 1 to 10 ?
- (1) 25 (2) 17
(3) 15 (4) 16
8. If it is Monday on the sixth January, what is the day on the Republic Day of the same month ?
- (1) Sunday (2) Monday
(3) Tuesday (4) Saturday
9. From the numbers given below, which number should be multiplied to 49 to get 4900 ?
- (1) 0 ~~(2)~~ 100
(3) 10 (4) 1000
10. If 9 litres milk is distributed equally among 45 children then how much milk will each child get ?
- (1) 200 ml (2) 2000 ml
(3) 20 ml (4) 2 ml

11. Reduce $\frac{38}{209}$ to its lowest form.

(1) $\frac{11}{2}$

(2) $\frac{2}{11}$

(3) $\frac{19}{2}$

(4) $\frac{2}{19}$

12. $5\frac{9}{100}$ can be written in decimal fraction as :

(1) 5.90

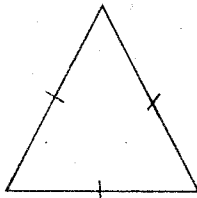
(2) 5.900

(3) 5.09

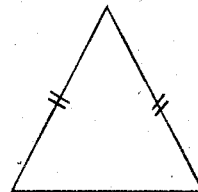
(4) 59.10

13. Which of the following figures is an isosceles triangle ?

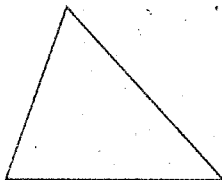
(1)



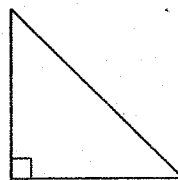
(2)



(3)



(4)



14. 1800 guavas are equally filled in 15 boxes. Out of them 10 boxes are sent to Mumbai for sale. Find the number of guavas sent to Mumbai.

(1) 120

(2) 1200

(3) 900

(4) 1500

15. How many metres make two and half kilometre ?

(1) 25

(2) 250

(3) 2500

(4) 2.5

16. 2 rupees 75 paise =.....rupees.

(1) Two and a quarter

(2) Two and three quarters

(3) Two and a half

(4) One and three quarters

17. $\frac{25}{16} - \frac{19}{16} = \dots\dots\dots?$

(1) $\frac{44}{16}$

(2) $\frac{5}{16}$

(3) $\frac{16}{5}$

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

18. 4250 ml = litres ml.

(1) 42 litres 50 ml

(2) 425 litres 0 ml

(3) 4 litres 250 ml

(4) 40 litres 250 ml

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

(1) 0.710

(2) 0.17

(3) 1.70

(4) 0.017

20. Which of the following figures has all angles as right angles ?

(1) rhombus

(2) kite

(3) square

(4) right-angled triangle

21. What is place value of 4 in the number 14745, which is before 7.

(1) 40

(2) 400

(3) 40,000

(4) 4,000

22. $9302 - 4823 = \dots\dots\dots?$

(1) 4479

(2) 4579

(3) 5679

(4) 5479

23. $109 \times 78 = \dots\dots\dots?$

(1) 1635

(2) 7502

(3) 8502

(4) 7402

29. What type of angle is formed by the hour hand and the minute hand, when the clock shows the time 'quarter past twelve' ?

- (1) Acute angle (2) Obtuse angle
(3) Right angle (4) Straight angle

30. The decimal fraction 7.225 is read correctly as :

- (1) Seven integer two hundredth and twenty five
(2) Seven point two two five
(3) Seven integer two hundred and twenty fifth
(4) Seven point two hundred and twenty five

31. Which is the greatest four-digit number formed using the digits 3, 2, 7, 1 ?

- (1) 7321 (2) 3271
(3) 2731 (4) 7213

32. $115 \times 23 = \dots\dots\dots?$

- (1) 2745 (2) 2645
(3) 3645 (4) 3745

33. $12 \times 4 - 48 \div 6 = \dots\dots\dots?$

- (1) 0 (2) 4
(3) 84 (4) 40

34. Which of the following digits should be written in place of * so that the number 43^* is completely divisible by 2 and 3.

(1) 5

(2) 2

(3) 3

(4) 4

35. 112 days make how many weeks ?

(1) 14

(2) 15

(3) 12

(4) 16

36. If two rods of 3 m each and four rods of 2.5 m each in length are joined together to form a single rod, then what will be the length of big rod so formed ?

(1) 16 m

(2) 5.5 m

(3) 10 m

(4) 13 m

37. The perimeter of an equilateral triangle is 48 cm. What will be the perimeter of another equilateral triangle whose length is double the length of the given triangle ?

(1) 48 cm

(2) 96 cm

(3) 16 cm

(4) 32 cm

38. Write the proper sign in the box

$$\frac{7}{13} \quad \boxed{\text{?}} \quad \frac{10}{13}$$

(1) =

(2) >

(3) <

(4) \surd

39. Which is the mixed number of the fraction $\frac{47}{11}$?

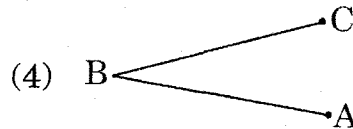
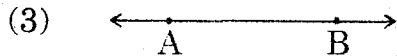
~~(1)~~ $4\frac{3}{11}$

(2) $3\frac{4}{11}$

(3) $11\frac{4}{3}$

(4) $4\frac{11}{3}$

40. Which of the figures given below is a line segment ?



41. $XI + IV \times II = \dots\dots\dots?$

(1) XXX

~~(2)~~ XIX

(3) XVII

(4) XV

42. $4574 - 3453 = \dots\dots\dots?$

(1) 1120

(2) 1021

~~(3)~~ 1020

(4) 1121

43. Father is older than mother by 8 years. The son is younger than his father by 32 years. If the mother's age is 48 years, what will be the son's age ?

(1) 24 years

(2) 26 years

(3) 12 years

(4) 16 years

49. $8\frac{7}{9}$ can be written in improper fraction as :

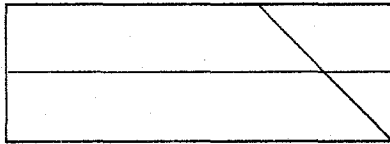
(1) $\frac{69}{9}$

(2) $\frac{79}{9}$

(3) $\frac{71}{9}$

(4) $\frac{87}{9}$

50. How many quadrilaterals are there in the figure given below ?



(1) 3

(2) 4

(3) 6

(4) 7