

APEEJAY COMMON EXAMINATION -2021-22

MATHEMATICS

CLASS – VI

Term- II

TIME – 2Hrs

M.M. –50



General Instructions:

1. All questions are compulsory.
2. The question paper consists of 28 questions divided into four sections A, B, C and D.
3. Section - A comprises of 15(1-15) questions of 1 mark each.
Section - B comprises of 6(16-21) questions of 2 marks each.
Section - C comprises of 5(22-26) questions of 3 marks each.
Section - D comprises of 2(27-28) questions of 4 marks each.

SECTION –A

(1 x 15 = 15)

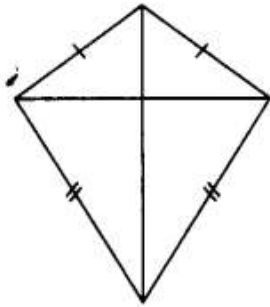
1. The decimal form $\frac{7}{10} + \frac{6}{100} + \frac{4}{1000}$ can be written as
(a) 76.40
(b) 7.640
(c) 0.764
(d) 764.0
2. 108.56 can be written in words as
(a) one hundred eight point fifty six
(b) one hundred eight point five six
(c) ten thousand eight hundred fifty six
(d) one zero eight point fifty six
3. Which of the following is the decimal form of $\frac{12}{5}$
(a) 0.24
(b) 2.4
(c) 1.4
(d) 2.0
4. The pictograph given below shows the number of school teachers in some cities

Name of the Cities	Number of School Teachers
Hyderabad	 = 4200
Chennai	 = 3000

How many school teachers does ☺ represent?

- (a) 500
 - (b) 700
 - (c) 600
 - (d) 800
5. A page is 25 cm long and 20 cm wide. Find the perimeter of this page.
- (a) 90 cm
 - (b) 45 cm
 - (c) 500 cm
 - (d) 5 cm
6. Two sides of a triangle are 5 cm and 4 cm. The perimeter of the triangle is 12 cm. The third side has length
- (a) 1 cm
 - (b) 2 cm
 - (c) 3 cm
 - (d) 6 cm.
7. Which of the following is an equation?
- (a) $m + 1$
 - (b) $m - 1$
 - (c) $m - 1 = 0$
 - (d) $m + 1 > 0$
8. Express $10 - y$ in words
- (a) 10 is subtracted y times
 - (b) y is subtracted 10 times
 - (c) y is subtracted from 10
 - (d) 10 is subtracted from y
9. The ratio of Rs 9 to 90 paise is
- (a) 10:1
 - (b) 1:1
 - (c) 1:10
 - (d) 100:1
10. $20 \text{ m} : 70 \text{ m} = \text{Rs } 8 : \text{Rs } \underline{\hspace{2cm}}$
- (a) 32
 - (b) 28
 - (c) 14
 - (d) 80

11. How many lines of symmetry does the figure have?



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

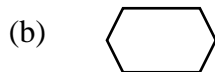
12. Which of the following letters have horizontal line of symmetry?

- (a) C
- (b) J
- (c) A
- (d) L

13. An irregular shape can have lines of symmetry.

- (a) 3
- (b) 1
- (c) 2
- (d) 0

14. In the following figures, the figure that is not symmetric with respect to any line is:



15. To construct an angle of 67.5° , we need to bisect the angle of

- (a) 120°
- (b) 150°
- (c) 135°
- (d) 145°

SECTION –B

(2 x 6 = 12)

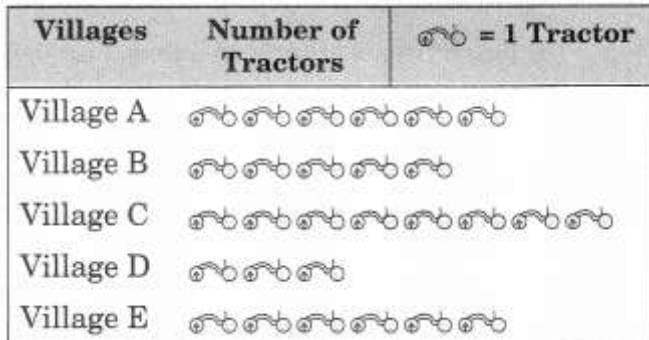
16. Write algebraic expressions for the following cases:
 (a) 5 subtracted from twice a number x
 (b) m multiplied by (-5)

17. Shweta threw a dice 40 times and noted the number appearing each time as shown below

1	3	5	6	6	3	5	4	1	6
2	5	3	4	6	1	5	5	6	1
1	2	2	3	5	2	4	5	5	6
5	1	6	2	3	5	2	4	1	5

Make a table using tally marks.

18. The following pictograph shows the number of tractors in five villages.



Observe the pictograph and answer the following questions.

- (a) Which village has the minimum number of tractors?
 (b) Which village has the maximum number of tractors?
 (c) How many more tractors village C has as compared to village B?
 (d) What is the total number of tractors in all the five villages?
19. Complete the table and find the solution for the given expression

m	5	6	7	8
$m + 5$				

20. Construct an angle of 120° and bisect it.

21. Construct any line segment \overline{AB} . Mark any point M on it. Through M, draw a perpendicular to \overline{AB} . (use ruler and compasses)

SECTION –C

(3 x 5 = 15)

22. If Meena's present age is x years, write
- Her age after 7 years
 - Her age 5 years back
 - Meena's grandmother's age is 6 times Meena's age.

23. The production of saleable steel in some of the steel plants of our country during 1999 is given below:

Plant	Bhilai	Durgapur	Rourkela	Bokaro
Production (in thousand tonnes)	160	80	200	150

Construct a bar graph to represent the above data on a graph paper

24. A pair of shoes was bought for Rs. 219.75 and a toy for Rs.95.80. If a five hundred rupee note was given to the shopkeeper, how much money will the shopkeeper return to the buyer?
25. A floor is 6m long and 4m wide. A square carpet of sides 4m is laid on the floor. Find the area of the floor that is not carpeted.
26. Ramesh deposited ₹ 2050 in a bank and in the month of January he withdrew ₹ 410 from his account on the last date of the month. Find the ratio of
- Money withdrawn to the total money deposited.
 - Money withdrawn to the remaining amount in the bank.

SECTION-D

(4 x 2 =8)

27. A hall is in the form of a rectangular region 14m x 12m. How many marble slabs 8cm x 6cm are needed to cover the floor of the hall?
28. Out of the 72 persons working in an office, 28 are men and the remaining are women, find the ratio of the number of :
- Men to that of women
 - Men to the total number of persons
 - Persons to that of women