

# **INTERNATIONAL INDIAN SCHOOL DAMMAM**

## **FIRST TERMINAL EXAMINATION (2017-2018)**

**CLASS : VI SET - A MAX.MARKS : 80**  
**SUBJECT : MATHEMATICS DURATION : 3 HOURS**

### **Instructions :-**

1. All the questions are compulsory
2. The question paper consist of 29 questions divided into 4 sections :-  
Section A, Section B, Section C and Section D
3. Section A contains 5 questions of 1 mark each, Section B contains 6 questions of 2 marks each, Section C contains 9 questions of 3 marks each and Section D contains 9 questions of 4 marks each
4. There is no overall choice. However internal choice has given in one question each in Section B, Section C and Section D

### **SECTION - A ( 5 X 1 = 5 )**

#### **Answer the following :**

1. \_\_\_\_\_ is a representation of data using pictures.
2. Five sided polygon is called \_\_\_\_\_.
3. How many faces are there in a triangular prism?
4. A parallelogram with four right angles is a \_\_\_\_\_.
5. The distance around a circle is its \_\_\_\_\_.

### **SECTION - B ( 6 X 2 = 12 )**

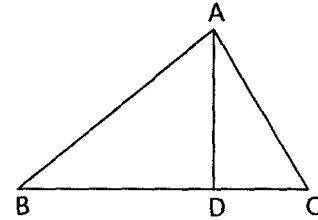
6. a) Write the expanded form of the number 574021  
b) How many millions make one crore?

**OR**

6. Insert commas suitably and write the number name of 5072054 in Indian and International system of numeration
7. The number of children in 25 families of a colony are given below  
2, 1, 2, 4, 2, 1, 3, 3, 1, 2, 2, 3, 4,  
3, 1, 1, 1, 2, 2, 3, 2, 4, 1, 2, 2  
Prepare a table using tally mark
8. Find the common factors of 20 and 28

9. Name the triangle in two different ways with reason :  
 In  $\Delta ABC$ , where  $AB=8$  cm,  $BC=15$  cm and  $AC=17$  cm ;  $\angle A=60^\circ$ ,  $\angle B=90^\circ$  and  $\angle C=30^\circ$
10. Using number line, find the value of  $2 \times 6$

11. From the figure
- Which two triangles have  $\angle B$  as common?
  - Which two triangles have side  $AD$  as common?



**SECTION - C (9 X 3 = 27)**

12. Find the difference between the greatest and the smallest number that can be written using the digits 6, 0, 7, 3, 4 each only once.
13. A vessel has 8 liters and 250 ml of curd. In how many glasses, each of 50 ml capacity can it be filled?
14. The following pictograph represents the sale of books in a store on different days of a week

Days	Number of books <span style="float: right;">☞ = 5 Books</span>
Sunday	☞ ☞ ☞ ☞ ☞ ☞ ☞ ☞ ☞ ☞
Monday	☞ ☞ ☞ ☞ ☞ ☞ ☞ ☞
Tuesday	☞ ☞ ☞ ☞ ☞ ☞
Wednesday	☞ ☞ ☞ ☞ ☞ ☞ ☞ ☞
Thursday	☞ ☞ ☞ ☞ ☞
Friday	☞ ☞
Saturday	☞ ☞ ☞ ☞

Answer the following questions

- Which day has the minimum sale? How many books sold on that day?
  - Which day has the maximum sale? How many books sold on that day?
  - How many books sold in one week?
15. Find the value of the following using suitable property
- $7834 \times 93 + 7834 \times 7$
  - $825 \times 101$
16. Find the prime factorization of
- 70 - using factor tree
  - 720 - by division method

17. Using divisibility test determine whether 70169308 is divisible by 11

OR

17. Determine if 34020 is divisible by 45

18. Find the least number which when divided by 12, 20 and 28 leaves the remainder 3 in each case.

19. Draw any circle and mark the following

- a) Its centre
- b) A radius
- c) A chord
- d) A sector
- e) A segment
- f) An arc

20. a) Where will the hand of a clock stop if it starts at 4 and makes  $\frac{3}{4}$  revolution clockwise?

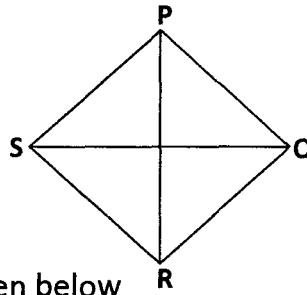
b) How many right angles do you make if you start facing north and turn clockwise direction to west?

c) What is the angle name of  $\frac{1}{2}$  revolution?

**SECTION - D ( 9 X 4 = 36)**

21. Observe quadrilateral PQRS and name,

- a) 2 pairs of opposite sides
- b) 2 diagonals
- c) 2 pairs of opposite angles.
- d) 2 pairs of adjacent angles.



22. Determine the sum of three numbers as given below

- a) Successor of 1999
- b) Predecessor of 1000
- c) Successor of the successor of 998

23. a) A merchant had Rs 78,592 with her. She placed an order for purchasing 40 radio sets at Rs 1200 each. How much money will remain with her after the purchase?

b) Estimate and find the product by rounding off nearest hundreds,  
 $4899 \times 189$

24. Match the following

a.) Triangular pyramid	i.) Isosceles Triangle
b.) Cube	ii.) $\frac{1}{4}$ Revolution
c.) Right angle	iii.) 12 edges
d.) Triangle with 2 sides of equal length	iv.) Tetrahedron

25. Three tankers contain 320 litres, 360 litres and 480 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.

26. Find the following by suitable arrangements and mention the properties :-

a)  $1852 + 653 + 1648 + 547$

b)  $625 \times 20 \times 18 \times 50$

**OR**

26. A loading tempo can carry 482 boxes of biscuits weighing 15 kg each, whereas a van can carry 518 boxes each of the same weight. Find the total weight that can be carried by both the vehicles.

27. A man had Rs 25,460 with him. He gave Rs 11,250 to his wife, Rs 7,850 to his son and the rest to his daughter. How much money was received by the daughter?

28. Find smallest 4 digit number which is divisible by 18, 24 and 32

29. A survey of 125 school students was done to find which types of books they read in library week

Type of books	Number of students
Story	45
Novel	25
Comic	30
Journals	20
Autobiography	10

Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 students

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