

# INTERNATIONAL INDIAN SCHOOL DAMMAM

SUMMATIVE - I 2012-2013

CLASS : VI

SUBJECT : Mathematics

MAX MARKS: 90  
DURATION: 3 HOURS

## SET - A

Instructions :-

1. All questions are compulsory.
2. The question paper consists of 34 questions divided into 4 sections, section A, section B, section C and section D.
3. Section A contains 8 multiple choice questions of 1 mark each, Section B contains 6 questions of 2 mark each, Section C contains 10 questions of 3 mark each and Section D contains 10 questions of 4 mark each.
4. There is no overall choice. However, internal choice has been given in one question each in Section B, Section C and Section D.

## SECTION - A (1 x 8 = 8)

Choose the correct answer :-

1. A square pyramid has \_\_\_\_\_ faces.  
(a) 6 (b) 5 (c) 8 (d) 4
2. The smallest perfect number is \_\_\_\_\_.  
(a) 2 (b) 28 (c) 1 (d) 6
3. Two adjacent sides of a polygon meet at a point, called its \_\_\_\_\_.  
(a) Diagonal (b) Vertex (c) Adjacent Angles (d) None
4. The number of times a particular value occurs in a data is called \_\_\_\_\_.  
(a) Range (b) Bar Graph (c) Frequency (d) Both (a) and (b)
5. The sum of the successor and predecessor of 100 is \_\_\_\_\_.  
(a) 200 (b) 101 (c) 199 (d) 111
6. How many degrees are there in  $\frac{1}{3}$ rd of right angle?  
(a)  $60^\circ$  (b)  $0^\circ$  (c)  $90^\circ$  (d)  $30^\circ$
7. If the diameter of a circle is 12 cm, then its radius is \_\_\_\_\_.  
(a) 6 cm (b) 3 cm (c) 24 cm (d) 4 cm
8. The difference between the place value and face value of 7 in 9728 is \_\_\_\_\_.  
(a) 700 (b) 707 (c) 693 (d) 0

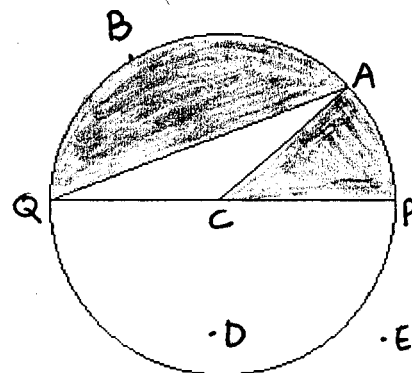
**SECTION – B (2 x 6 = 12)**

9. Find all the factors of 54.
10. (a) How many whole numbers are there between 81 and 101?  
(b) Write the expanded form of 50,998.
- OR**
10. Using number line, find the value of  $2 + 5$
11. Write the prime factorization of the largest 4-digit number.
12. Insert commas suitably and write the number name of **3550083** in Indian and International system of numeration.
13. How many lines can pass through (a) one given point (b) two given points?
14. (a) A number is divisible by 18. By what other numbers will that number be divisible?  
(b) Write four consecutive composite numbers between 74 and 80.

**SECTION – C (3 x 10 = 30)**

15. From the given figure, identify

- |                              |                |
|------------------------------|----------------|
| (a) the centre of the circle | (b) a radius   |
| (c) a segment                | (d) a diameter |
| (e) a chord                  | (f) a sector   |



16. Estimate the sum by rounding off to the nearest thousands:-  $6,404 + 7,805 + 2,573$ .
17. (a) Where will the hour hand of a clock stop, if it starts at 5 and makes  $\frac{3}{4}$  of a revolution, clockwise?  
(b) What is the name of regular quadrilateral?  
(c) You are facing south. In which direction will you face if you turn by one right angle in the clockwise direction?
18. Ekta is asked to collect data for size of shoes of 25 students in her class VI and she records her findings in the manner shown:
- $8, 4, 7, 8, 6, 7, 6, 5, 6, 6, 5, 4, 8$   
 $5, 6, 8, 7, 4, 6, 5, 6, 4, 8, 7, 6$
- Prepare a table using tally marks.
19. Find the value of  $892 \times 999 + 892$  using property.
20. Using divisibility test, check the divisibility of 6028280 by 11

21. Find by suitable re-arrangement:-  
 (a)  $878 + 3409 + 122$  (b)  $8 \times 926 \times 125$
22. Estimate the product of  $677 \times 833$  by rounding off to the nearest hundreds.
23. Draw a quadrilateral ABCD and write the name of its  
 (a) Vertices (b) Diagonals (c) A pair of adjacent angle
24. The following pictograph represents number of students of a school who used different modes of conveyance. Scale ♀ = 50 students

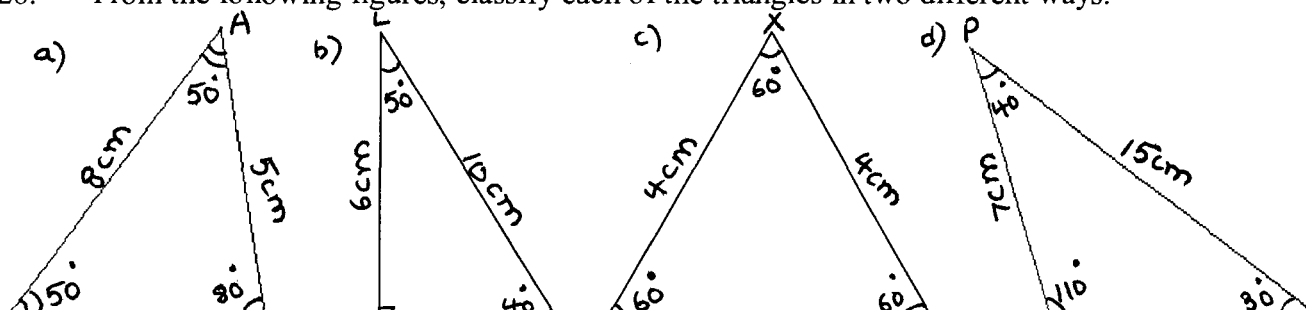
Car	♀ ♀ ♀ ♀ ♀ ♀
School Bus	♀ ♀ ♀ ♀ ♀ ♀ ♀
Private Van	♀ ♀ ♀ ♀ ♀ ♀
Taxi	♀ ♀ ♀ ♀
On Foot	♀ ♀

Answer the following questions :-

- (i) Which is the most popular mode of transport?  
 (ii) Which two modes of transport are used by equal number of students?  
 (iii) How many students travelled by taxi to school?

**SECTION – D (4 x 10 = 40)**

25. In a group of 75,000 people, 23,000 people watch Sports channel, 32,750 people watch News channel and rest watch Discovery channel. How many people watch Discovery channel?
26. (a) Using divisibility test, check whether **288** is divisible by 6.  
 (b) Write the first 2 common multiples of 12 and 18.
27. The length, breadth and height of a room are 630cm, 585cm and 360cm respectively. Find the length of the longest tape that can measure the dimensions of the room exactly.
28. From the following figures, classify each of the triangles in two different ways:-



29. (a) Find the difference between the greatest and the smallest 5 – digit number that can be formed with the digits 6, 0, 5, 2, 9.  
 (b) How many lakhs make a million?
30. Find the greatest 3 – digit number which is exactly divisible by 20, 25 and 30 .

**OR**

Find the smallest number which when divided by 6, 15 and 18 leaves a remainder 5 in each case.

31. 5l 625ml of milk is poured into bottles. If each bottle holds 125ml of milk, then find the number of bottles needed.
32. The cost of a pencil is Rs. 2 and that of a ruler is Rs. 8. What is the total cost of 25 sets containing a pencil and a ruler?
33. Find the product using distributive property:-  $432 \times 1003$
34. Following table shows the number of trees planted from the month of April to September in the year 2011.

<u>Month</u>	<u>Number of Trees</u>
April	300
May	250
June	500
July	720
August	800
September	480

Draw a bar graph to represent the above information taking a scale of **1 unit length = 100 trees**.

Best of Luck