



# INDIAN SCHOOL AL WADI AL KABIR

Unit Test 2022-23

**SUB: Engineering Graphics (046)**

Date: 22 /01/2023

Time Allowed: One hour

Class: XI

**SET 1**

Maximum Marks: 30

## SECTION - A

### MULTIPLE CHOICE QUESTIONS

S.NO	QUESTIONS	MARKS ALLOTTED
1.	The three principal axes in isometric projection are inclined to each other at an angle of-----  a. 60 degree b. 120 degree c. 30 degree d. 45 degree	1
2.	Which scale is used out of the following for making an isometric projection-----  a. 1:1 b. Vernier scale c. Isometric scale d. True scale	1
3.	The word isometric means-----  a. Equal measure b. Symmetrical c. Slanted d. Slanted	1
4.	Lines which are parallel to isometric axes are called -----  a. Parallel lines b. Vertical lines c. Slant lines d. Isometric lines	1
5.	The angle difference between true length and isometric length is -----  a. 15 degree b. 30 degree c. 45 degree d. 90 degree	1

6.	The isometric length is measured in isometric scale at an angle of ----- a. 90 degree b. 45 degree c. 30 degree d. 20 degree	1
7.	An isometric plane is bounded by----- a. 3 axes b. 4 axes c. 5 axes d. 6 axes	1
8.	Non-isometric lines are a. Parallel to the isometric axes b. Perpendicular to the isometric axes c. Not parallel to the isometric axes d. 45-degree inclined lines	1
9.	The true length is measured in isometric scale at an angle of ----- a. 45 degree b. 30 degree c. 15 degree d. 90 degree	1
10.	In isometric projection, the three principal axes are inclined at what angles, with the horizontal base line? a. 30,90,60 b. 30,90,30 c. 30,120,30 d. 60,90,60	1

### **SECTION – B**

#### **DESCRIPTIVE TYPE QUESTIONS**

11. Construct an Isometric scale of 80mm. 4
12. Draw the isometric projection of an equilateral triangle of 50 mm in HP. 8
13. Draw the isometric projection of a square laminae having side 60 mm and kept in V.P. 8