



INDIAN SCHOOL AL WADI AL KABIR

Class: XI	Department: SCIENCE	Date: 21/06/2020
MARKS: 30	UNIT TEST 1 – QP + MS <u>ENGINEERING GRAPHICS (046)</u>	DURATION :1 HOUR

1. In metric system, the standard-length measure is -----

- a. Millimetre
- b. Centimetre
- c. Metre
- d. Decimetre

2. In engineering graphics all length measures are denoted in -----

- a. Centimetre
- b. Millimetre
- c. Metre
- d. Yard

3. 100 millimetres = ----- centimetres.

- a. 10
- b. 1
- c. 100
- d. 1000

4. Angle which is less than 90 degree is called as?

- a. Acute angle
- b. Reflex angle
- c. Supplementary angle
- d. Complementary angle

5. Which method is used to divide a straight line into equal parts?

- a. Bisection method
- b. Copy angle method
- c. Perpendicular construction method
- d. None of the above

6. Which type of triangle has two sides equal, consequently its base angles are equal?

- a. Equilateral triangle
- b. Isosceles triangle
- c. Scalene triangle
- d. Right triangle

7. The side opposite to the right angle of a right-angled triangle is called as -----

- a. Altitude
- b. Hypotenuse
- c. Base
- d. None of the above

8. A ----- is a plane figure bounded by four straight lines and has four angles.

- a. Polygon
- b. Quadrilateral
- c. Triangle
- d. Circle

9. Parallelogram, trapezium are all examples for?

- a. Polygon

- b. Frustums
- c. Quadrilateral
- d. Triangles

10. A polygon having 8 sides is called a -----

- a. Pentagon
- b. Octagon
- c. Nonagon
- d. Hexagon

11. If the sides and angles of a polygon are equal, it is called as regular polygons, whether this statement is true or false?

- a. False
- b. True

12. Match the following and find the correct option.

	Column I		Column II
1	60 degree	A	Right angle
2	Rectangle	B	Polygon
3	90 degree	C	Equilateral triangle
4	Hexagon	D	Quadrilateral

- a. 1-C, 2-D, 3-A, 4-B
- b. 1-D, 2- C, 3-B. 4-A
- c. 1-A, 2-B, 3-C, 4-D
- d. 1-B, 2-A, 3- D, 4-C

13. The line joining the centre with any point on the circumference is called as -----

- a. Chord
- b. Radius
- c. Arc
- d. Semi-circle

14. Circles having common centres are called as -----

- a. Concentric circles
- b. Eccentric circles
- c. Secant
- d. Tangent

15.----- is the tangent to two circles, crossing the line joining their centres.

- a. Interior tangent
- b. Exterior tangent
- c. Secant
- d. None of the above

16. Which type of line is used to represent visible edges?

- a. Continuous thick lines
- b. Continuous thin lines
- c. Centre lines
- d. Dimension lines

17. The centre of a circle is denoted using which type of line?



18. A straight line touching a circle or an arc at one point only is called a -----

- a. Tangent
- b. Secant
- c. Chord
- d. Diameter

19. The angle in a semi-circle is a -----

- a. Right angle
- b. 60 degree
- c. 45 degree
- d. 30 degree

20. A figure within another so that their boundaries touch each other are called as -----

- a. Escribing of figures
- b. Inscribing of figures
- c. Quadrilateral
- d. Polygon

21. How many minimum points are required to make a circle, if radius is not given?

- a. 5
- b. 4
- c. 2
- d. 3

22. The interior angles of a regular hexagon is -----

- a. 120 degree
- b. 108 degree
- c. 135 degree
- d. 90 degree

23. Scale 1:1 means?

- a. Reduced scale
- b. Full size scale
- c. Isometric scale
- d. Vernier scale

24. ----- is the universal language of engineers.

- a. Engineering graphics
- b. Metric system
- c. English system
- d. None of the above

25. For continuous thick lines, which type of pencil is used?

- a. HB
- b. 2H

c. 3H

d. 4H

26. The instrument which is used to measure angles are called as -----

a. Compass

b. Divider

c. Protractor

d T scale

27. Identify the dimension line, from the following options?

a. 

a.

b. 

b

c. 

c

d. 

d

28. A quadrilateral with four sides and four angles are equal are called as -----

a. Rectangle

b. Square

c. Trapezium

d. Trapezion

29. The diameter divided the circle into two equal halves, each of them is called

a -----

a. Semi-circle

b. Chord

c. Secant

d. Tangent

30. The interior angle of an octagon is -----

a. 135 degree

b 120 degree

c. 90 degree

d. 108 degree

ANSWER KEY

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1	C	16	A
2	B	17	B
3	A	18	A
4	A	19	A
5	B	20	B
6	B	21	D
7	B	22	A
8	B	23	B
9	C	24	A
10	B	25	A
11	B	26	C
12	A	27	B
13	B	28	B
14	A	29	A
15	A	30	A