

Name : Chapter Based Worksheet Chapter : Circle Grade : ICSE Grade VI License : Non Commercial Use

1. The minor arc of the circle is



(i) DGE (ii) DGEHD (iii) IDFEI (iv) DFE (v) IDGEI

2. Which of the following figures represent a secant ?



3. Which of the following statements are true?

- a) Diameter of a circle is a part of the semi-circle of the circle.
- b) A secant of a circle is a segment having its end points on the circle.
- c) Every circle has a unique diameter.
- d) One and only one tangent can be drawn to a circle from a point outside it.
- e) One and only one tangent can be drawn to pass through a point on a circle.

(i) {b,a} (ii) {a,e} (iii) {c,e} (iv) {c,e,a} (v) {d,b,a}

4. Which of the following figures represent a chord ?



5. Which of the following figures represent a diameter ?



6. The centre of the circle is



- 7. Which of the following statements are true?
 - a) Every circle has a unique diameter.
 - b) An infinite number of diameters may be drawn for a circle.
 - c) Two semi-circles of a circle together make the whole circle.
 - d) An infinite number of chords may be drawn for a circle.
 - e) One and only one tangent can be drawn to a circle from a point outside it.

(i) $\{e,c\}$ (ii) $\{a,b\}$ (iii) $\{a,e,d\}$ (iv) $\{a,b,c\}$ (v) $\{b,c,d\}$

- 8. The perimeter of a circle is called
 - (i) radius (ii) semi-circle (iii) chord (iv) major segment (v) circumference
- 9. A chord of a circle divides the whole circular region into two parts, each called a
 - (i) centre (ii) radius (iii) chord (iv) segment (v) circumference

10. Which of the following statements are true?

- a) Every circle has a unique diameter.
- b) A line can meet a circle atmost at two points.
- c) A circle consists of an infinite number of points.
- d) Every circle has a unique centre.
- e) Each radius of a circle is also a chord of the circle.
- (i) {a,e,d} (ii) {a,b,c} (iii) {e,c} (iv) {b,c,d} (v) {a,b}
- 11. A line segment having its end points on the circle is called a
 - (i) radius (ii) centre (iii) segment (iv) chord (v) major segment





- (i) \overline{EF} , \overline{FG} , \overline{GH} , \overline{HI} , \overline{IE} , \overline{JF} (ii) \overline{JE} , \overline{JF} , \overline{JG} , \overline{JH} , \overline{JI} (iii) \overline{EF} , \overline{FG} , \overline{GH} , \overline{HI} , \overline{IE} , \overline{GI} (iv) \overline{FG} , \overline{GH} , \overline{HI} , \overline{IE}
- $(v) \overline{EF}, \overline{FG}, \overline{GH}, \overline{HI}, \overline{IE}$





(i) IDFEI (ii) DFE (iii) DGEHD (iv) IDGEI (v) DFEHD

14. The diameters of the circle are



(i) \overline{JK} , \overline{KL} , \overline{LM} , \overline{MN} , \overline{NJ} , \overline{LN} (ii) \overline{OJ} , \overline{OK} , \overline{OL} , \overline{OM} , \overline{ON} , \overline{LN} (iii) \overline{LN} (iv) \overline{JK} , \overline{KL} , \overline{LM} , \overline{MN} , \overline{NJ}

 $(v) \overline{OJ}, \overline{OK}, \overline{OL}, \overline{OM}, \overline{ON}$

15. If the diameter of a circle is 84 cm, what is its radius?

(i) 41 cm (ii) 44 cm (iii) 43 cm (iv) 42 cm (v) 40 cm

16. The distance around the circle is called

- (i) chord (ii) radius (iii) diameter (iv) circumference (v) arc
- 17. The segment of the circle containing the centre of the circle is called
 - (i) major segment (ii) segment (iii) radius (iv) diameter (v) centre
- 18. Which of the following figures represent a tangent ?



19. The mid-point of the diameter of a circle is called(i) centre (ii) circumference (iii) diameter (iv) semi-circle (v) radius



- (i) DE, EF, FG, GD, HE (ii) EF, FG, GD (iii) DE, EF, FG, GD, EG (iv) HD, HE, HF, HG (v) DE, EF, FG, GD
- 21. Half of a circle is called
 - (i) circumference (ii) semi-circle (iii) major segment (iv) radius (v) diameter

22. A line segment joining any point on the circle with its centre is called

(i) centre (ii) radius (iii) chord (iv) major segment (v) circumference



Assignment Key					
1) (iv) 2	2) (ii)	3) (ii)	4) (ii)	5) (iv)	6) (ii)
7) (v) 8	3) (v)	9) (iv)	10) (iv)	11) (iv)	12) (ii)
13) (iv) 14	.4) (iii)	15) (iv)	16) (iv)	17) (i)	18) (iv)
19) (i) 20	20) (v)	21) (ii)	22) (ii)	23) (ii)	24) (iv)
25) (ii)					

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