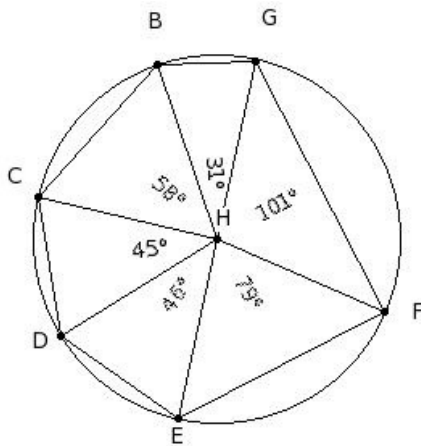




1. The mid-point of the diameter of a circle is called
 (i) major segment (ii) circumference (iii) radius (iv) centre (v) segment

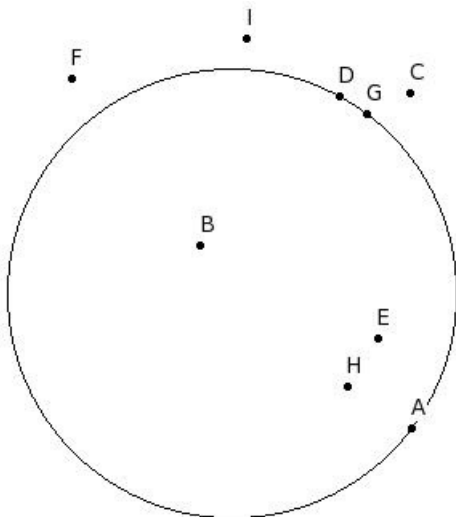
2. Which of the following statements are true?
 a) Every circle has a unique diameter.
 b) One and only one tangent can be drawn to pass through a point on a circle.
 c) A secant of a circle is a segment having its end points on the circle.
 d) One and only one tangent can be drawn to a circle from a point outside it.
 e) Diameter of a circle is a part of the semi-circle of the circle.
 (i) {c,e,b} (ii) {c,e} (iii) {a,b} (iv) {d,a,b} (v) {b,e}

3. The radii of the circle are



- (i) $\overline{HB}, \overline{HC}, \overline{HD}, \overline{HE}, \overline{HF}, \overline{HG}$ (ii) $\overline{BC}, \overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GB}$ (iii) $\overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GB}$
 (iv) $\overline{BC}, \overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GB}, \overline{EG}$ (v) $\overline{BC}, \overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GB}, \overline{HG}$

4. Find the points belonging to the outside of the circle



- (i) {C,F,I} (ii) {A,D,G} (iii) {F,B,I} (iv) {C,D,F} (v) {B,E,H}

5. The distance around the circle is called

- (i) chord (ii) circumference (iii) arc (iv) diameter (v) radius

6. Half of a circle is called

- (i) radius (ii) semi-circle (iii) major segment (iv) segment (v) circumference

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

- (i) 168 cm (ii) 167 cm (iii) 170 cm (iv) 166 cm (v) 169 cm

8. Which of the following statements are true?

- a) The radius is the shortest chord.
b) The diameter is the longest chord.
c) A chord divides a circle into two segments.
d) Atmost one chord can be drawn on a circle with a certain length.
e) A chord divides a circle into two sectors.

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

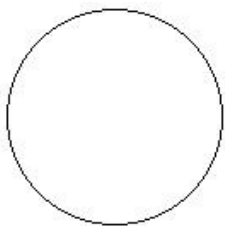
9. The angle between a tangent to a circle and the radius drawn at the point of contact is

- (i) 105° (ii) 100° (iii) 95° (iv) 120° (v) 90°

10. Two circles with equal radii are

- (i) only similar but not congruent (ii) congruent (iii) not similar (iv) concentric

11. Identify the figure below



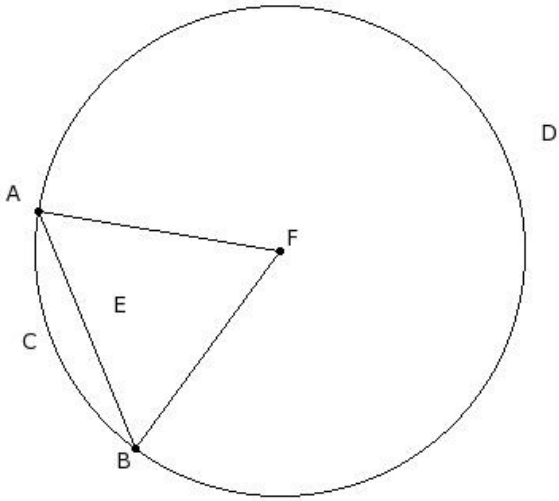
- (i) octagon (ii) decagon (iii) pentagon (iv) circle (v) angle

12. Which of the following statements are true?

- a) The area enclosed by a chord and its major arc is called major segment.
b) A sector is the area enclosed by two radii and a chord.
c) A circle divides the plane on which it lies into three parts.
d) The area enclosed by a chord and its minor arc is called minor segment.
e) The diameter divides the circle into two unequal parts.

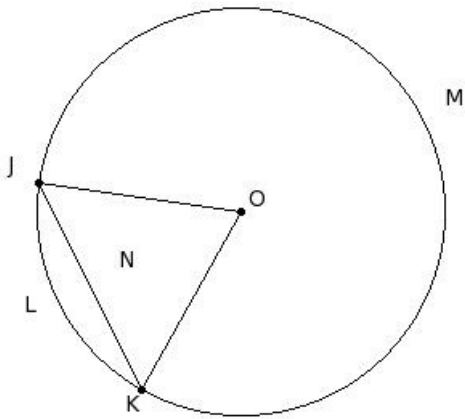
- (i) {a,c,d} (ii) {b,a} (iii) {b,e,d} (iv) {e,c} (v) {b,a,c}

13. The minor sector of the circle is



- (i) FACBF (ii) ADBEA (iii) ACB (iv) ACBEA (v) ADB

14. The major sector of the circle is

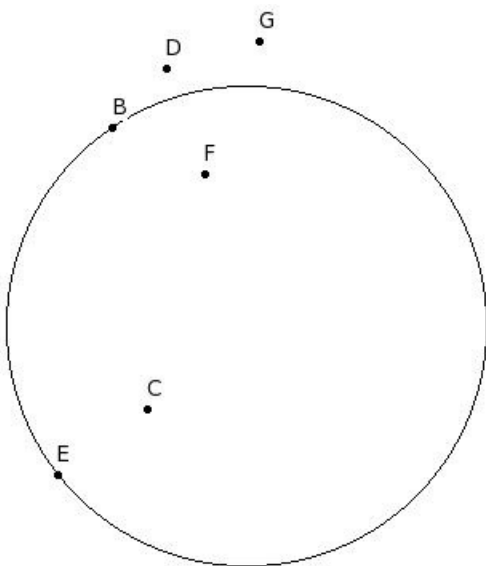


- (i) OJLKO (ii) JMKNJ (iii) JMK (iv) OJMKO (v) JLKNJ

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

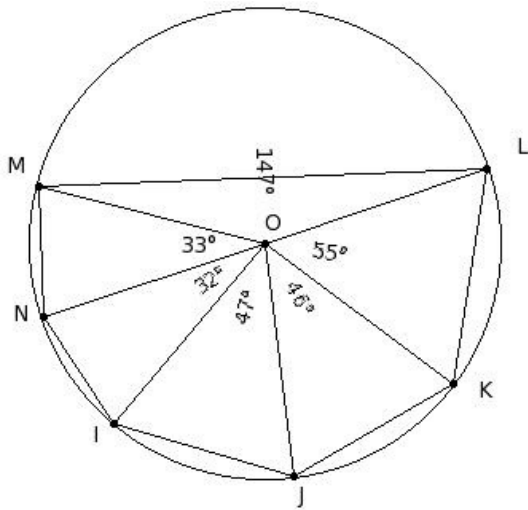
- (i) segment (ii) chord (iii) diameter (iv) radius (v) centre

16. Find the points belonging to the circle



- (i) {G,E} (ii) {C,B} (iii) {D,G} (iv) {C,F} (v) {B,E}

17. The chords of the circle are



- (i) $\overline{OI}, \overline{OJ}, \overline{OK}, \overline{OL}, \overline{OM}, \overline{ON}$ (ii) $\overline{IJ}, \overline{JK}, \overline{KL}, \overline{LM}, \overline{MN}, \overline{NI}$ (iii) $\overline{IJ}, \overline{JK}, \overline{KL}, \overline{LM}, \overline{MN}, \overline{NI}, \overline{LN}$
 (iv) $\overline{IJ}, \overline{JK}, \overline{KL}, \overline{LM}, \overline{MN}, \overline{NI}, \overline{OI}$ (v) $\overline{JK}, \overline{KL}, \overline{LM}, \overline{MN}, \overline{NI}$

18. Which of the following figures represent a diameter ?

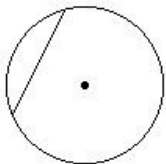


fig I

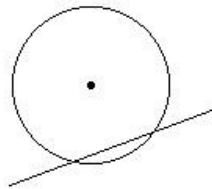


fig II

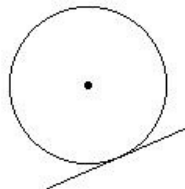


fig III

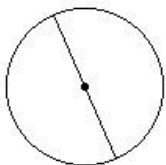


fig IV

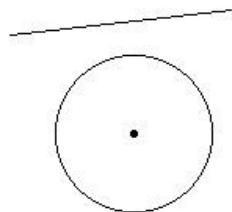


fig V

- (i) fig I (ii) fig IV (iii) fig II (iv) fig III (v) fig V

19. Which of the following statements are true?

- a) Two semi-circles of a circle together make the whole circle.
 b) An infinite number of diameters may be drawn for a 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) An infinite number of chords may be drawn for a circle.

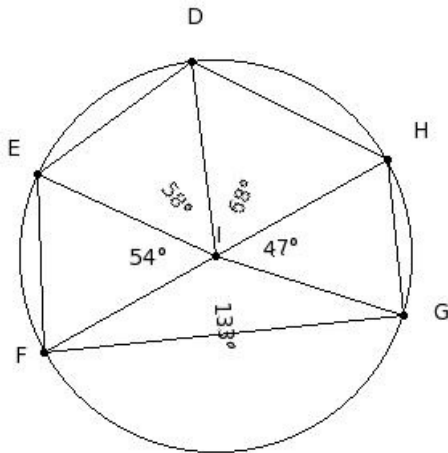
- (i) {a,b,e} (ii) {c,d,e} (iii) {d,b} (iv) {c,a} (v) {c,a,b}

20. Which of the following statements are true?

- a) A diameter is a limiting case of a chord.
- b) A secant and a chord are same.
- c) A radius is a limiting case of a diameter.
- d) A tangent is the limiting case of a secant.
- e) A secant has two end points.

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

21. The diameters of the circle are



- (i) \overline{FH} (ii) $\overline{ID}, \overline{IE}, \overline{IF}, \overline{IG}, \overline{IH}$ (iii) $\overline{ID}, \overline{IE}, \overline{IF}, \overline{IG}, \overline{IH}, \overline{FH}$ (iv) $\overline{DE}, \overline{EF}, \overline{FG}, \overline{GH}, \overline{HD}$ (v) $\overline{DE}, \overline{EF}, \overline{FG}, \overline{GH}, \overline{HD}, \overline{FH}$

22. A line segment having its end points on the circle is called a

- (i) segment (ii) circumference (iii) diameter (iv) radius (v) chord

23. Which of the following figures represent a tangent ?

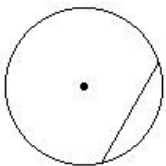


fig I

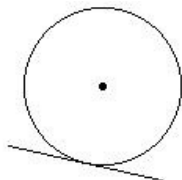


fig II

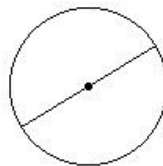


fig III

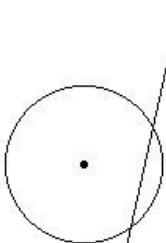


fig IV

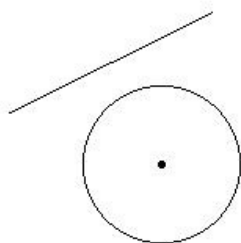


fig V

- (i) fig III (ii) fig I (iii) fig IV (iv) fig II (v) fig V

24. The perimeter of a circle is called

- (i) major segment (ii) chord (iii) radius (iv) circumference (v) semi-circle

25. The segment of the circle containing the centre of the circle is called

- (i) radius (ii) circumference (iii) major segment (iv) diameter (v) segment

Assignment Key

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