EduSahara™ Assignment

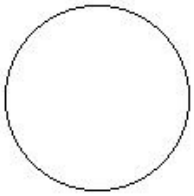
Name : Circle Concepts

Chapter : Basic Geometrical Ideas

Grade : SSC Grade VI

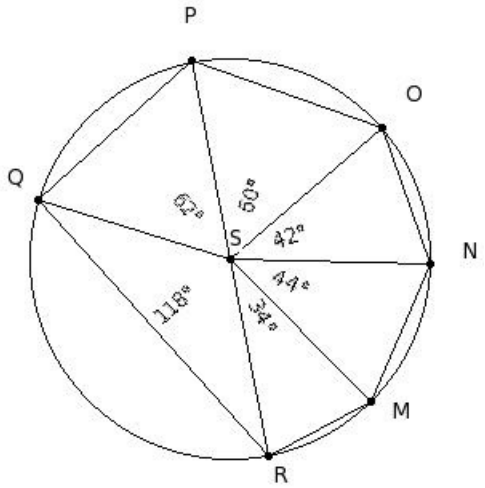


1. Identify the figure below



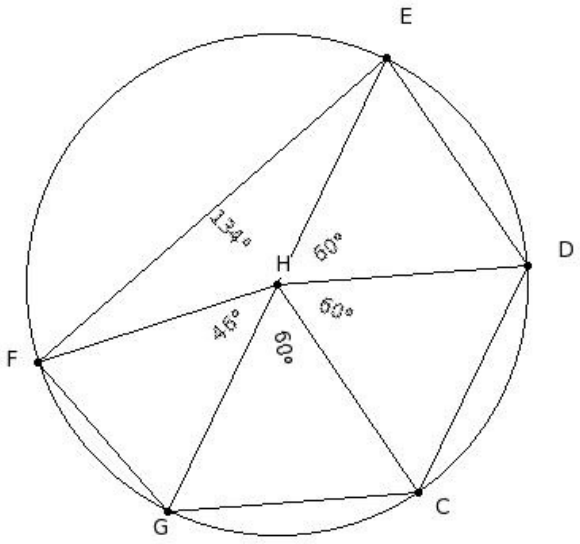
(i) quadrilateral (ii) circle (iii) hexagon (iv) heptagon (v) nonagon

2. The centre of the circle is




(i) O (ii) P (iii) N (iv) M (v) S

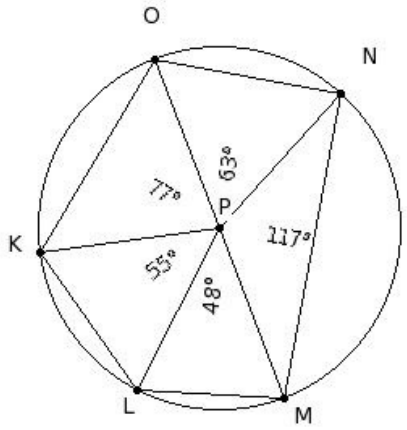
3. The chords of the circle are




(i) $\overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GC}, \overline{EG}$ (ii) $\overline{HC}, \overline{HD}, \overline{HE}, \overline{HF}, \overline{HG}$ (iii) $\overline{DE}, \overline{EF}, \overline{FG}, \overline{GC}$ (iv) $\overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GC}, \overline{HC}$

(v) $\overline{CD}, \overline{DE}, \overline{EF}, \overline{FG}, \overline{GC}$

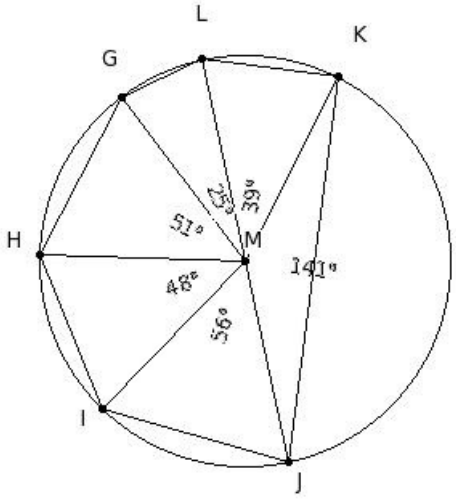
4. The diameters of the circle are




(i) $\overline{PK}, \overline{PL}, \overline{PM}, \overline{PN}, \overline{PO}$ (ii) $\overline{MO}$ (iii) $\overline{KL}, \overline{LM}, \overline{MN}, \overline{NO}, \overline{OK}, \overline{MO}$ (iv) $\overline{PK}, \overline{PL}, \overline{PM}, \overline{PN}, \overline{PO}, \overline{MO}$

(v) $\overline{KL}, \overline{LM}, \overline{MN}, \overline{NO}, \overline{OK}$

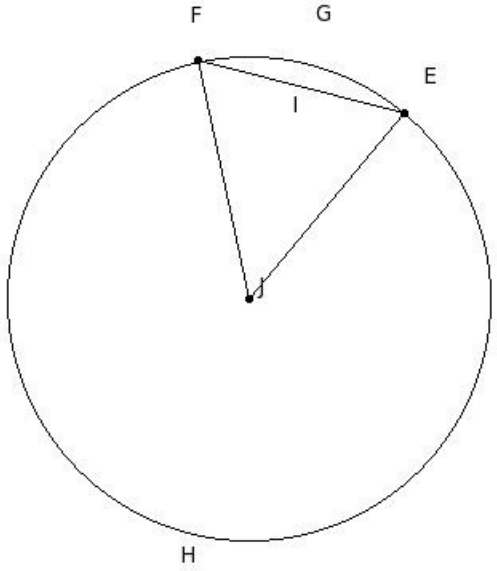
5. The radii of the circle are




(i) $\overline{GH}, \overline{HI}, \overline{IJ}, \overline{JK}, \overline{KL}, \overline{LG}, \overline{MH}$ (ii) $\overline{HI}, \overline{IJ}, \overline{JK}, \overline{KL}, \overline{LG}$ (iii) $\overline{MG}, \overline{MH}, \overline{MI}, \overline{MJ}, \overline{MK}, \overline{ML}$ (iv) $\overline{GH}, \overline{HI}, \overline{IJ}, \overline{JK}, \overline{KL}, \overline{LG}, \overline{JL}$

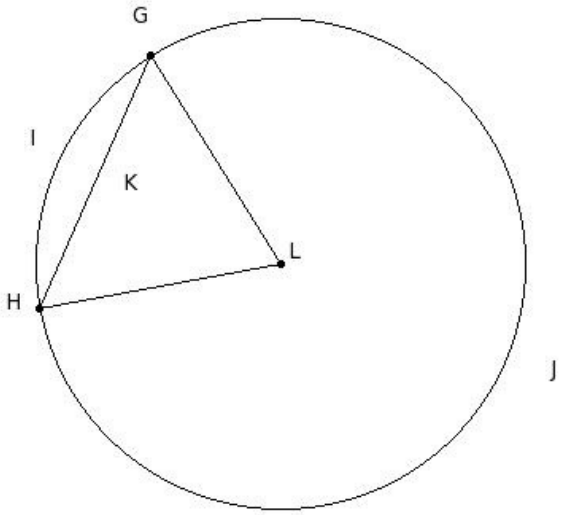
(v) $\overline{GH}, \overline{HI}, \overline{IJ}, \overline{JK}, \overline{KL}, \overline{LG}$

6. The minor sector of the circle is



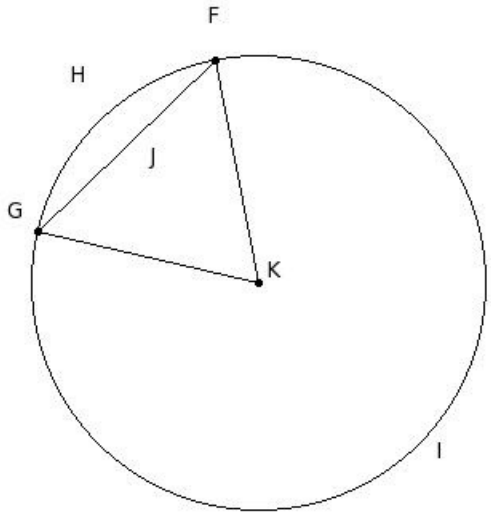

(i) EGFIE (ii) JEGFJ (iii) EGF (iv) EHF (v) EHFIE

7. The major sector of the circle is



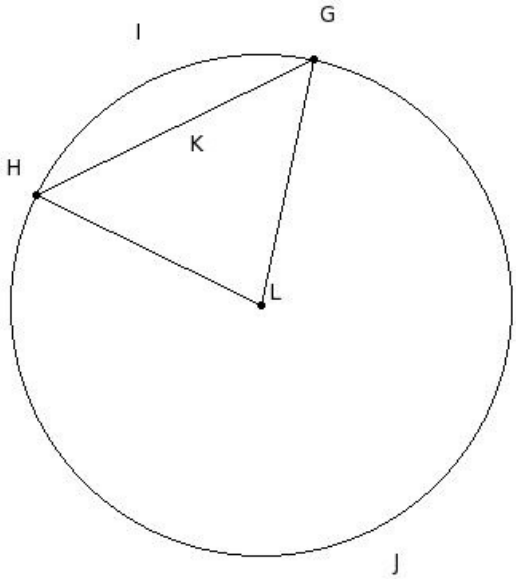

(i) GIH (ii) GJHKG (iii) LGIHL (iv) LGJHL (v) GJH

8. The minor arc of the circle is



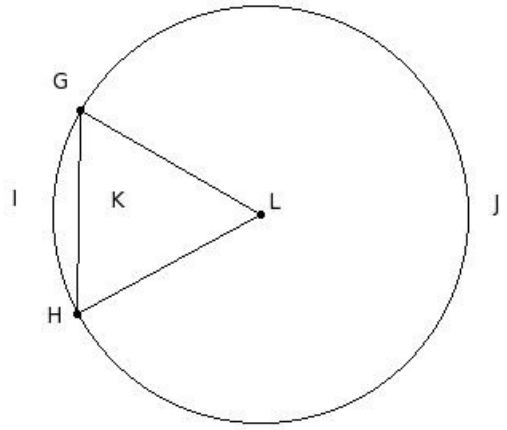

(i) FHGJF (ii) KFIGK (iii) FIGJF (iv) FHG (v) FIG

9. The major arc of the circle is



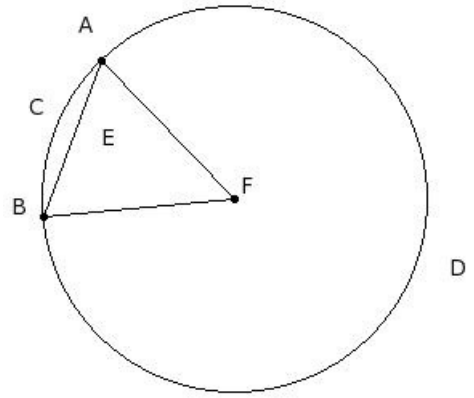

(i) GIH (ii) LGIHL (iii) GJHKG (iv) GJH (v) GIHKG

10. The minor segment of the circle is



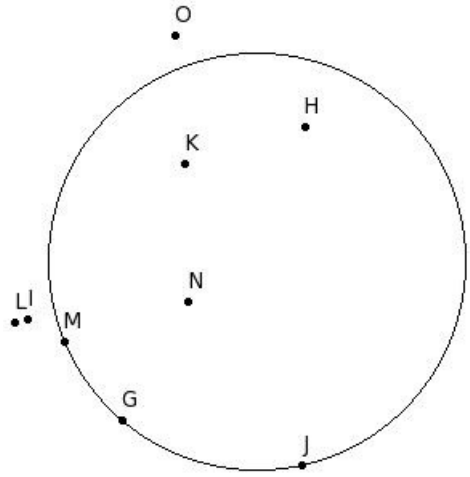

(i) GIHKG (ii) GJHKG (iii) GJH (iv) GIH (v) LGIHL

11. The major segment of the circle is



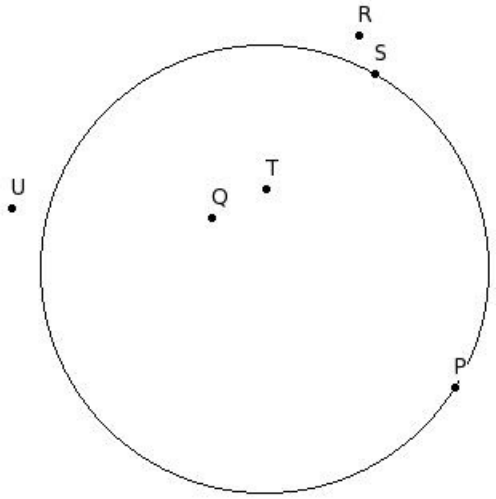

(i) FACBF (ii) ACB (iii) ADB (iv) ADBEA (v) ACBEA

12. Find the points belonging to the circle



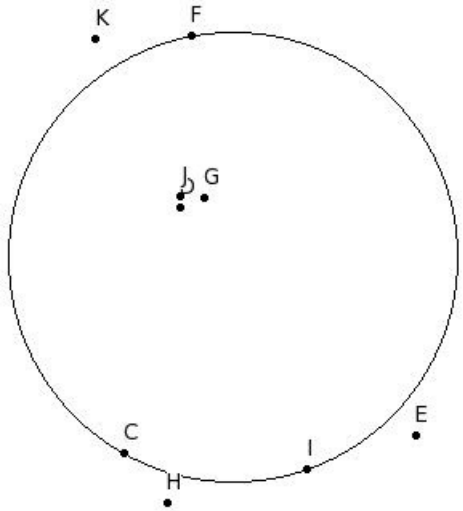

(i) {K,G,J} (ii) {H,K,N} (iii) {M,I,G} (iv) {G,J,M} (v) {I,L,O}

13. Find the points belonging to the inside of the circle



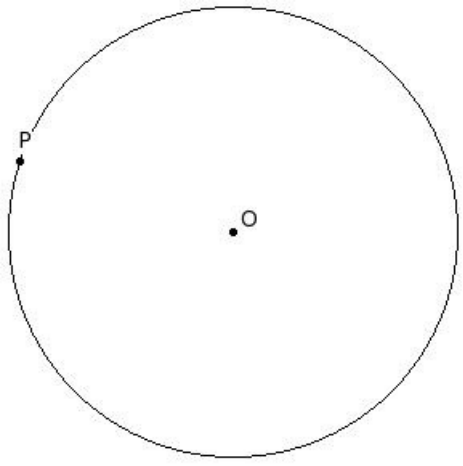

(i) {P,S} (ii) {R,U} (iii) {Q,T} (iv) {U,T} (v) {P,Q}

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



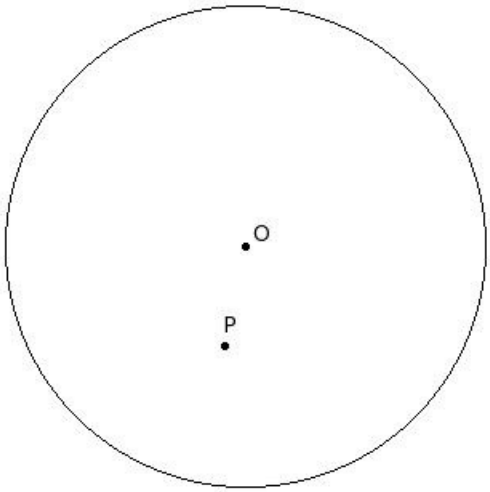

(i) {D,G,J} (ii) {E,K,C} (iii) {C,F,I} (iv) {J,H,K} (v) {E,H,K}

15. 'O' is the centre of a circle of radius 'r' and 'P' is any point in its plane. If $\overline{OP}$ = r ,then P is



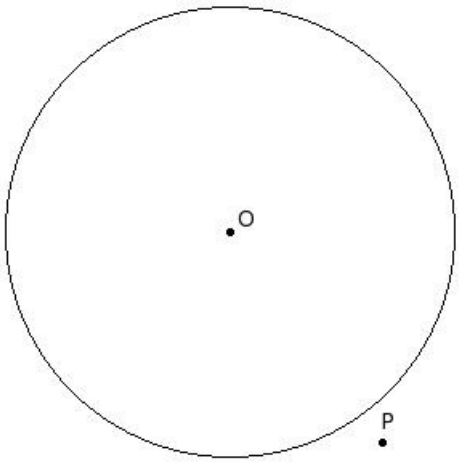

(i) outside the circle (ii) on the circle (iii) inside the circle

16. 'O' is the centre of a circle of radius 'r' and 'P' is any point in its plane. If $\overline{OP} < r$, then P is




(i) on the circle (ii) outside the circle (iii) inside the circle

17. 'O' is the centre of a circle of radius 'r' and 'P' is any point in its plane. If $\overline{OP} > r$, then P is




(i) on the circle (ii) outside the circle (iii) inside the circle

18. The base of a cylinder or cone is

(i) circle (ii) square (iii) triangle (iv) semicircle (v) rectangle

## Assignment Key

| | | | | | |
|---|---|---|---|---|---|
| 1) (ii) | 2) (v) | 3) (v) | 4) (ii) | 5) (iii) | 6) (ii) |
| 7) (iv) | 8) (iv) | 9) (iv) | 10) (i) | 11) (iv) | 12) (iv) |
| 13) (iii) | 14) (v) | 15) (ii) | 16) (iii) | 17) (ii) | 18) (i) |