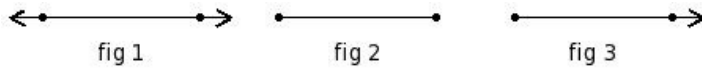


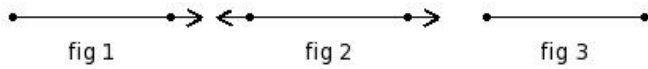


1. Which of the following figures represent a line?



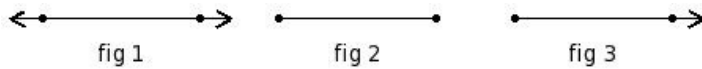
- (i) fig 1 (ii) fig 3 (iii) fig 2

2. Which of the following figures represent a ray?



- (i) fig 2 (ii) fig 1 (iii) fig 3

3. Which of the following figures represent a line segment?



- (i) fig 1 (ii) fig 2 (iii) fig 3

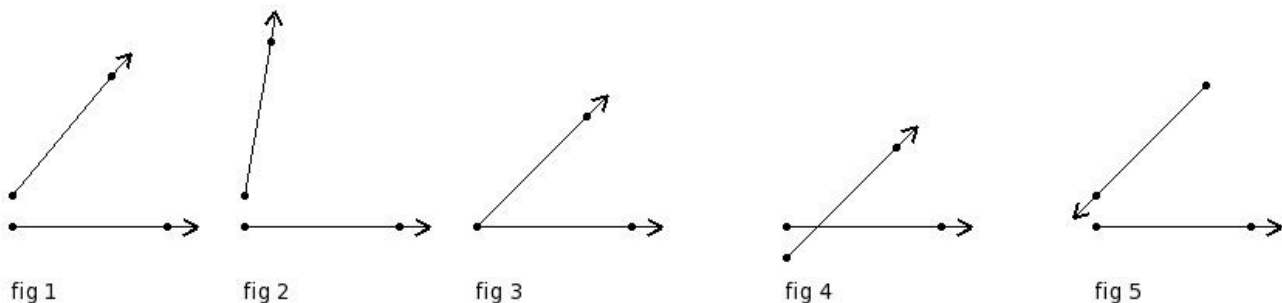
4. Points lying on the same line are called

- (i) concurrent points (ii) linear points (iii) semi-linear points (iv) collinear points (v) non-linear points

5. Every simple closed curve divides a plane into how many sets of points?

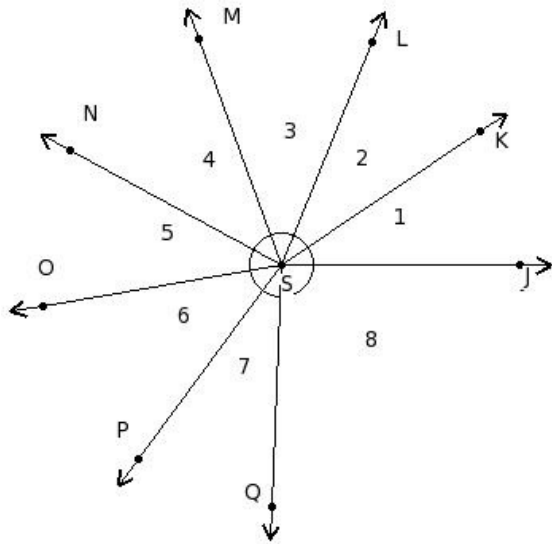
- (i) 6 (ii) 1 (iii) 3 (iv) 4 (v) 2

6. Which of the following figures represent an angle?



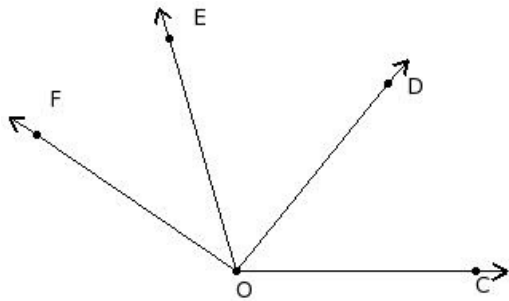
- (i) fig 2 (ii) fig 4 (iii) fig 3 (iv) fig 5 (v) fig 1

7. The name of angle 6 in the given figure is



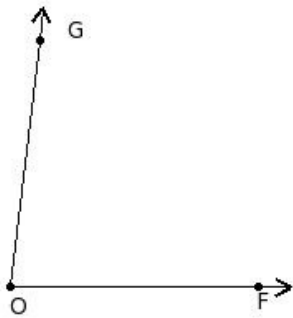
- (i)  $\angle MSN$  (ii)  $\angle LSM$  (iii)  $\angle OSP$  (iv)  $\angle QSJ$  (v)  $\angle JSK$

8. Which of the following is the largest angle in the given figure?



- (i)  $\angle COD$  (ii)  $\angle COE$  (iii)  $\angle DOF$  (iv)  $\angle COF$  (v)  $\angle DOE$

9. The name of the given angle is



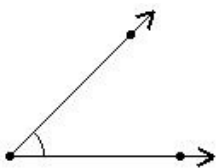
- (i)  $\angle GFO$  (ii)  $\angle FGO$  (iii)  $\angle FOG$  (iv)  $\angle FGO$  (v)  $\triangle FOG$

10. Identify the figure below



- (i) triangle (ii) angle (iii) circle (iv) line (v) hexagon

11. Identify the figure below



- (i) nonagon (ii) triangle (iii) quadrilateral (iv) pentagon (v) angle

12. Multiple lines drawn on a plane are called

- (i) intersecting lines (ii) concurrent lines (iii) parallel lines (iv) perpendicular lines (v) coplanar lines

13. Multiple lines which do not meet each other are called

- (i) intersecting lines (ii) coplanar lines (iii) perpendicular lines (iv) concurrent lines (v) parallel lines

14. Multiple lines which pass through the same point are called

- (i) intersecting lines (ii) perpendicular lines (iii) parallel lines (iv) concurrent lines (v) coplanar lines

15. A line that intersects two lines at two different points is called

- (i) transversal (ii) parallel lines (iii) concurrent lines (iv) perpendicular lines (v) coplanar lines

16. Two lines meeting at a point and making an angle of  $90^\circ$  at the meeting point are called

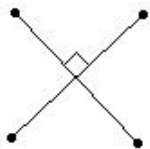
- (i) concurrent lines (ii) perpendicular lines (iii) coplanar lines (iv) intersecting lines (v) parallel lines

17. The following lines represent



- (i) intersecting lines (ii) concurrent lines (iii) perpendicular lines (iv) parallel lines (v) coplanar lines

18. The following lines represent



- (i) coplanar lines (ii) parallel lines (iii) concurrent lines (iv) perpendicular lines (v) intersecting lines

19. The following lines represent



- (i) perpendicular lines (ii) parallel lines (iii) concurrent lines (iv) coplanar lines (v) intersecting lines

20. The representation  $\overleftrightarrow{KL}$  indicates

- (i) arc (ii) ray (iii) angle (iv) line segment (v) line

21. The representation  $\overline{EF}$  indicates

- (i) arc (ii) angle (iii) ray (iv) line segment (v) line

22. The representation  $\overrightarrow{AB}$  indicates

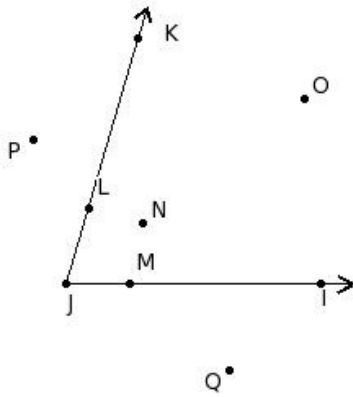
- (i) line segment (ii) line (iii) ray (iv) arc (v) angle

23. In the figure below, if  $DE = 7.40$  cm and  $EF = 11.60$  cm, find  $DF = ?$



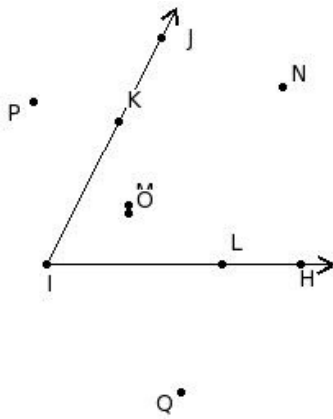
- (i) 17.00 cm (ii) 20.00 cm (iii) 19.00 cm (iv) 21.00 cm (v) 18.00 cm

24. In the given figure, write the points belonging to the angle



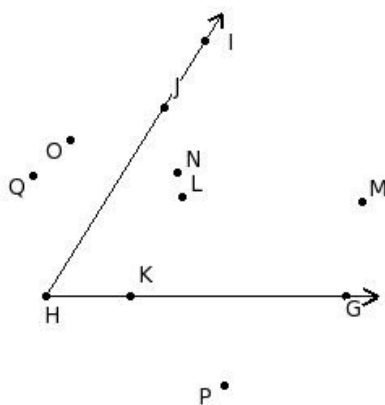
- (i)  $\{L, I, J, M, K, O, P\}$  (ii)  $\{N, O\}$  (iii)  $\{L, I, J, M, K\}$  (iv)  $\{P, Q\}$  (v)  $\{L, J, M, K\}$

25. In the given figure, write the points belonging to the interior of the angle



- (i)  $\{I, H, J, K, L\}$  (ii)  $\{M, N\}$  (iii)  $\{M, O, N, H, P\}$  (iv)  $\{P, Q\}$  (v)  $\{M, O, N\}$

26. In the given figure, write the points belonging to the exterior of the angle



- (i)  $\{P, O, Q, K, L\}$  (ii)  $\{G, J, K, H, I\}$  (iii)  $\{M, N, L\}$  (iv)  $\{P, O\}$  (v)  $\{P, O, Q\}$

27. Which of the following are true?

- a) Capital letters are used to represent points
- b) The length of a line segment cannot be determined
- c) A line has an infinite number of points on it
- d) Small letters are used to represent lines
- e) A ray has an infinite number of points on it

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

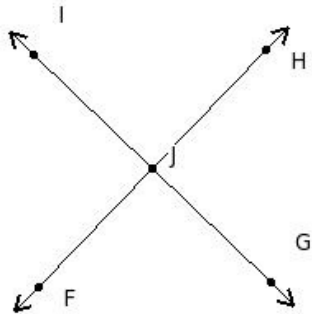
28. Which of the following are true?

- a) Only one straight line can be drawn between any two points
- b) If two lines have infinite common points, then the two lines are concurrent
- c) If a line cuts another line at more than one point, then one of the line is curved
- d) A straight line meets another straight line at atmost one point
- e) If two lines have no common point, then the lines are parallel

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

29. Which of the following points are collinear?

- a) G,J,H
- b) F,J,H
- c) I,J,G
- d) J,I,H
- e) H,J,I



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

## Assignment Key

1) (i)	2) (ii)	3) (ii)	4) (iv)	5) (iii)	6) (iii)
7) (iii)	8) (iv)	9) (iii)	10) (iv)	11) (v)	12) (v)
13) (v)	14) (iv)	15) (i)	16) (ii)	17) (iv)	18) (iv)
19) (v)	20) (v)	21) (iv)	22) (iii)	23) (iii)	24) (iii)
25) (v)	26) (v)	27) (iii)	28) (iii)	29) (i)	