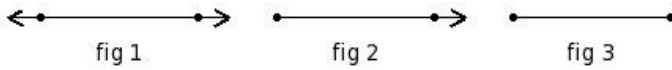


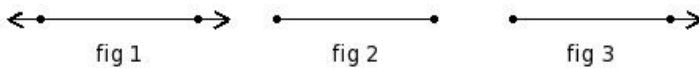


1. Which of the following figures represent a line?



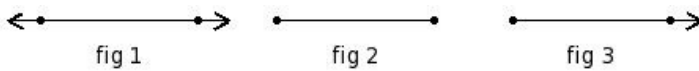
(i) fig 1 (ii) fig 3 (iii) fig 2

2. Which of the following figures represent a ray?



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

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



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

4. Identify the figure below



(i) octagon (ii) decagon (iii) circle (iv) line (v) hexagon

5. Multiple lines drawn on a plane are called

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

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

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

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

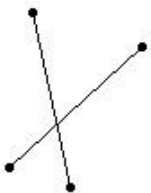
(i) coplanar lines (ii) intersecting lines (iii) perpendicular lines (iv) parallel lines (v) concurrent lines

8. The following lines represent



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

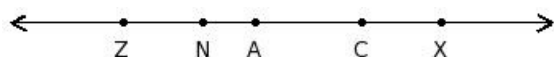
9. The following lines represent



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

10. Consider the following figure  $\overleftrightarrow{ZX}$ . State which of the following statements are true?

- a) Z,X are end points of line segment  $\overline{ZX}$
- b) A,C are end points of line segment  $\overline{CZ}$
- c) Z,X are points on the line segment  $\overline{NC}$
- d) Z,N,A,X,C are points on the line  $\overleftrightarrow{ZX}$
- e) Z,X are end points of line segment  $\overline{NC}$



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

11. The representation  $\widehat{AB}$  indicates

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

12. The representation  $\overline{JK}$  indicates

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

13. The representation  $\overrightarrow{BC}$  indicates

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

14. In the figure below, if  $OP = 4.60$  cm and  $PQ = 14.00$  cm, find  $OQ = ?$



- (i) 17.60 cm (ii) 18.60 cm (iii) 16.60 cm (iv) 20.60 cm (v) 19.60 cm

15. Which of the following are true?

- a) Small letters are used to represent lines
  - b) Capital letters are used to represent points
  - c) A ray has an infinite number of points on it
  - d) A line has an infinite number of points on it
  - e) The length of a line segment cannot be determined
- (i) {e,a} (ii) {a,b,c,d} (iii) {e,b} (iv) {e,d,a} (v) {e,c}

16. Which of the following are true?

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

17. Which of the following are true?

- a) If  $m \parallel n$  and  $n \parallel o$ , then  $m \parallel o$
- b) If two lines are parallel to the same line, then they are perpendicular to each other
- c) If  $m \perp n$  and  $m \perp o$ , then  $n \perp o$
- d) If two lines are parallel to the same line, then they are parallel to each other
- e) If  $m \perp n$  and  $n \perp o$ , then  $m \perp o$

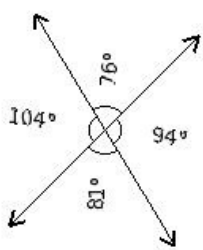
(i)  $\{e, b, a\}$  (ii)  $\{c, d\}$  (iii)  $\{b, a\}$  (iv)  $\{c, d, a\}$  (v)  $\{a, d\}$

18. Which of the following are true with respect to lines  $f, g, h, i$  where  $f \parallel g, g \perp h, h \perp i$ ?

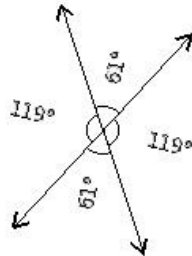
- a)  $f \parallel i$
- b)  $h \parallel i$
- c)  $f \parallel h$
- d)  $f \perp i$
- e)  $g \parallel i$

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

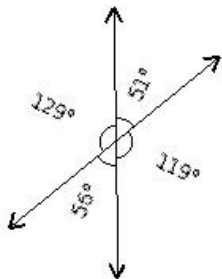
19. Which of the given figures is correct?



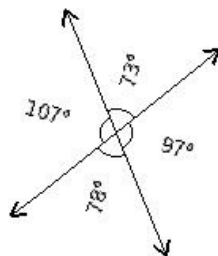
I



II



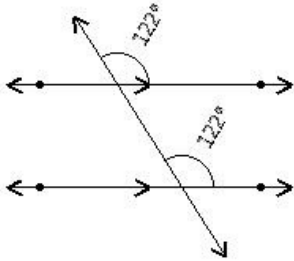
III



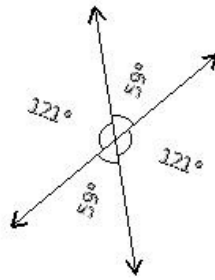
IV

(i) IV (ii) III (iii) II (iv) I

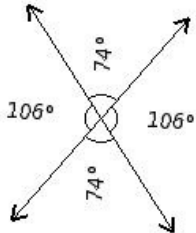
20. Which of the given figures is wrong?



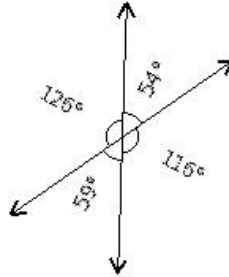
I



II



III

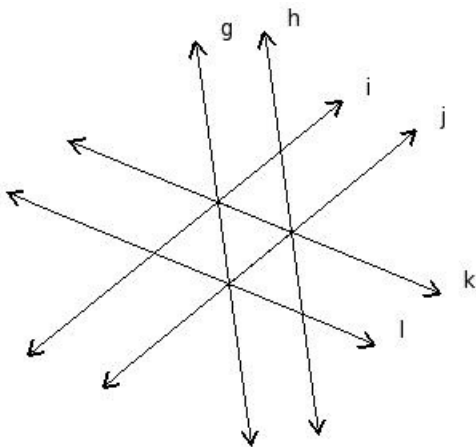


IV

(i) IV (ii) I (iii) II (iv) III

21. In the given figure,  $g, h, i, j, k, l$  are lines in a plane. By looking at the figure, which of the following are true?

- a)  $j$  is the transversal of  $g$  &  $h$
- b)  $g$  is the transversal of  $i$  &  $k$
- c)  $g \parallel j$
- d)  $l$  is the transversal of  $i$  &  $g$
- e)  $k$  is the transversal of  $i$  &  $j$
- f)  $g \parallel h$



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

## Assignment Key

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