

$$1. \text{ class Mark} = \frac{90+120}{2}$$

$$= \frac{210}{2}$$

$$= 105 \text{ (B)}$$

$$2. \text{ range} = 32 - 6$$

$$= 26 \text{ (D)}$$

$$3. \frac{\text{width}}{2} = \frac{6}{2}$$

$$= 3$$

$$\text{lower limit} = 10 - 3$$

$$= 7 \text{ (B)}$$

4. upper class limit of highest class

$$= 10 + 5 \times 5$$

$$= 10 + 25$$

$$= 35 \text{ (C)}$$

or

$$10 - 15$$

$$15 - 20$$

$$20 - 25$$

$$25 - 30$$

$$30 - 35 \text{ (C)}$$

5.

diff of upper limit and Mid point

$$= l - m$$

$$\text{lower limit} = m - (l - m)$$

ex 14.1, exemplar 1x

$$6. \text{ class Size (h)} = 20 - 15$$

$$= 5$$

$$\frac{h}{2} = \frac{5}{2}$$

$$= 2.5$$

reqd classes

$$20 - 2.5, 20 + 2.5$$

$$= 17.5, 22.5$$

$$\therefore 17.5 - 22.5 \text{ (B)}$$

$$7. 20 - 30 \text{ (B)}$$

$$8. 310 - 330 \quad 6 \text{ (C)}$$

$$9. 10 \text{ (B)}$$

10. adjusted freq.

$$= \frac{8}{4}$$

$$= 2 \text{ (D)}$$

11.

$$\text{Sum of 5 nos.} = 30 \times 5$$

$$= 150$$

$$\text{Sum of 4 nos} = 28 \times 4$$

$$= 112$$

$$\text{excluded no} = 150$$

$$- 112$$

$$\underline{38}$$

(D)