

Q.4]. 2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8,  
9, 9, 10, 11, 11, 12

⇒ 99 percentile value

$$= \frac{99}{100} \times (20+1)$$

$$= 0.99 \times 21$$

$$= 20.79 \text{ [index value]}$$

$$= 12.$$

∴ Actual 99<sup>th</sup> is 12