

MODE

APPOINTMENTS

17 FRIDAY

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The observation which occurs more often than others is called mode.

→ In a series 7, 8, 9, 4, 6, 7, 9, 3, 6, 9, 8, 9, 7, 8, 9 and 12

9 occurs five times hence 9 is the mode of this series.

→ Sometimes there may be more than one mode in a series.

→ When a series has only one mode it is known as Unimodal.

WORK TO DO

→ When it has two modes it is known as bimodal and

→ When it has several modes it is known as Multimodal.

⇒ Determination of Mode in a Discrete Series:-

When frequency in a discontinuous series is increasing continuously in the beginning in such a way that maximum frequency is located in about the centre after which frequency is lowering continuously then value of the maximum frequency.

PHONES

Example:-

Variables	6	7	8	9	10	11	12
Frequency	3	4	7	12	9	8	6

Solution:- (i) Maximum frequency = 12

(ii) 12 is the frequency of variable nine.

(iii) Hence mode = 9.