

formulae for finding the difficulty :

$$\text{Actual no. of students} = \frac{\text{Total no. of students} - (\text{number of changes (or) number of compilations})}{\text{Actual count}}$$

$$\text{Right \%} = \frac{\text{No. of students who answered right}}{\text{Actual count}} \times 100$$

$$\text{Wrong \%} = \frac{\text{No. of students who answered wrong}}{\text{Actual count}} \times 100$$

$$\text{Partially correct \%} = \frac{\text{No. of students who answered partially correct}}{\text{Actual count}} \times 100$$

$$\left. \begin{array}{l} \text{Average marks} \\ \text{obtained in that question} \end{array} \right\} = \frac{(\text{Right} \times \text{Maximum marks}) + (\text{partially correct} \times \text{Maximum marks} / 2)}{\text{Actual no. of students}}$$

$$\left. \begin{array}{l} \text{No. of students who have} \\ \text{not answered} \end{array} \right\} = \text{Actual count} - (\text{Right} + \text{wrong} + \text{partially correct})$$

$$\text{Not answered \%} = \frac{\text{Not answered}}{\text{Actual count}} \times 100$$