

MARKING AND NORMALISATION SCHEME AFCAT/ EKT

1. The marking scheme is as follows:-

- (a) Three marks will be awarded for every correct answer.
- (b) One mark will be deducted for every incorrect answer.
- (c) No marks for unattempted questions.

2. In order to rationalise the marks scored by candidates appearing in different shifts in an objective manner through a statistical method, Normalisation Scheme is being implemented as per the following formula:-

$$\widehat{M}_{ij} = \frac{\bar{M}_t^g - M_q^g}{\bar{M}_{ti} - M_{iq}} (M_{ij} - M_{iq}) + M_q^{gm}$$

Where:

\widehat{M}_{ij} = Normalized marks of j^{th} candidate in the i^{th} shift.

\bar{M}_t^g = is the average marks of the top 0.1% of the candidates considering all shifts (number of candidates will be rounded-up).

M_q^g = is the sum of mean and standard deviation marks of the candidates in the examination considering all shifts.

\bar{M}_{ti} = is the average marks of the top 0.1% of the candidates in the i^{th} shift (number of candidates will be rounded-up).

M_{iq} = is the sum of mean marks and standard deviation of the i^{th} shift.

M_{ij} = is the actual marks obtained by the j^{th} candidate in i^{th} shift.

M_q^{gm} = is the sum of mean marks of candidates in the shift having maximum mean and standard deviation of marks of candidates in the examination considering all shifts.

3. The same normalisation formula is used by the Ministry of Personal, Public Grievance & Pensions as well as Staff Selection Commission and Railway Recruitment Board.