



JSS MAHAVIDYAPEETHA, MYSURU - 4  
**JSS INSTITUTE OF EDUCATION**

SAKALESHPUR - 573 134

**SUBJECT : EDUCATION**

COURSE : Educational Evaluation

Marks

Test 1	Test 2
25	22/05/23
25	

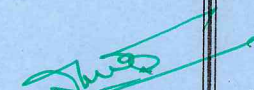
Semester III

TEST :- FIRST / SECOND ✓

NAME.....POORVIKA K.R

Reg. No. U01HY2IE0033

**20 22 - 20 23**

  
PRINCIPAL  
J.S.S. Institute of Education  
P.B. 26, SAKALESHPUR-573 134  
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Section - A

~~22/5/23~~

I

2.

C-I	f	x	fx	x - $\bar{x}$	f x - $\bar{x}$	fx <sup>2</sup>
90-99	3	94.5	283.5	35.8	107.4	26790.75
80-89	8	84.5	676	25.8	206.4	57122
70-79	13	74.5	968.5	15.8	205.4	<del>12590.5</del> 72153.25
60-69	20	64.5	1290	5.8	116	<del>25800</del> 83205
50-59	35	54.5	1907.5	4.2	147	<del>66762.5</del> 103958.75
40-49	10	44.5	445	14.2	142	<del>4450</del> 19802.5
30-39	5	34.5	172.5	24.2	121	5951.25
20-29	4	24.5	98	34.2	136.8	2401
10-19	2	14.5	29	44.2	88.4	420.5
$\Sigma f = 100$			$= 5870$		$= 1270.4$	$= 371805$

$$(\bar{x}) \text{ Mean} = \frac{\Sigma fx}{N}$$

$$\bar{x} = \frac{5870}{100} = \underline{\underline{58.7}}$$

$$\textcircled{1} \text{ Mean deviation} = \frac{\sum f|x-\bar{x}|}{N}$$

$$= \frac{1270.4}{100}$$

$$\text{MD} = \underline{\underline{12.704}}$$

$\textcircled{2}$  Standard deviation ( $\sigma$ )

$$\sigma = \sqrt{\frac{\sum fx^2}{N} - \left(\frac{\sum fx}{N}\right)^2}$$

$$= \sqrt{\frac{371805}{100} - \left(\frac{5870}{100}\right)^2}$$

$$= \sqrt{3718.05 - 3445.69}$$

$$= \sqrt{272.36}$$

$$\sigma = 16.503$$

$$\text{SD}(\sigma) = \underline{\underline{16.503}}$$

Mean deviation is 12.704

Standard deviation is 16.503

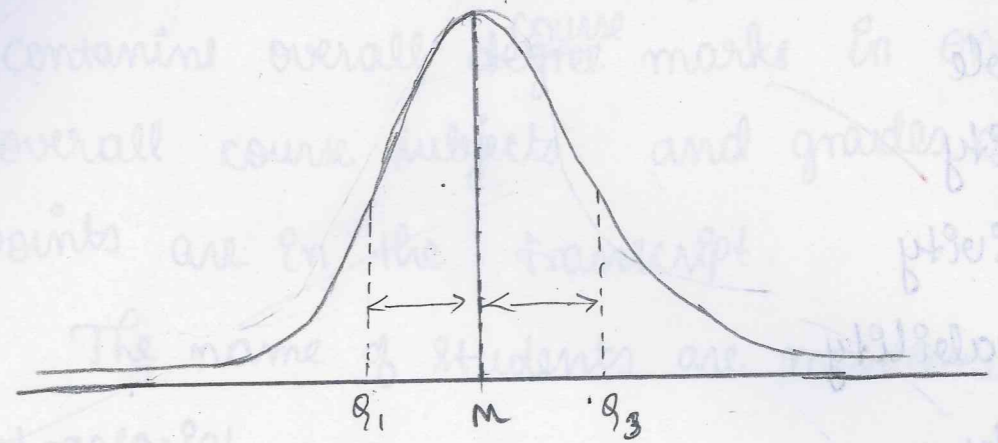
## Section - B

II 4. The factors to be kept in mind while preparing a blue print of a question paper is.

- 1) Weightage given to the content : The marks is given to each content is very important while constructing the question paper.
- 2) Weightage given to the objective : The objective such as knowledge understanding application and skill, proper marks should be given to the each objective
- 3) Weightage given to the questions : The weightage should be given to each question is proper, the question should be easy, average and difficult.
- 4) The ~~time~~<sup>marks</sup> and number of questions should be mentioned in the brackets like questions (marks)
- 5) The time and maximum marks should be mention
- 6) The blue print prepare should be concentrate more on objectives, knowledge and skill required less Percentage than understanding and applications

These are the some factors kept in mind while Preparing a blue print.

5 Properties of a Normal Probability Curve :



- 1) Normal probability curve is a bell shaped curve
- 2) NPC is continuous, it varies from  $(-\infty, +\infty)$
- 3) The NPC curve approaches to base line but never touches the base line (frequency  $\neq 0$ )
- 4) NPC is unimodal
- 5) In NPC, the mean is equal to median, and mode is equal to mode
- 6) The highest frequency of score lies at the center of curve
- 7) The total area between base line and the curve is 1
- 8) In NPC, there is equidistance from mean to quartile deviation. 9) 5 times  $MD = 4$  times

## Section : C

III

6) Components of Standardized test are

The test should be

- 1) Reliable
- 2) Validity
- 3) Objectivity
- 4) Practicality
- 5) Quality

8) Uses of Normal probability curve

① The normal probability curve is used to estimate the mean

② The normal probability curve is used in research field.

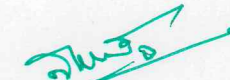
③ The normal probability curve is used to estimate the standard deviation

④ The normal probability curve is used in mental measurement and experimental psychology

7 Transcript :

Transcript is a copy of student marks, it contains overall <sup>course</sup> degree marks in one paper, and overall course subjects and grades and grade points are in the transcript.

The name of students are mentioned in the transcript.

  
Principal

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