

3 SEM TDC EDN M 2

2 0 1 8

(November)

EDUCATION

(Major)

Course : 302

(Educational Measurement and Evaluation)

Full Marks : 80

Pass Marks : 32/24

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. (a) Write True or False of the following : $1 \times 4 = 4$

- (i) Evaluation is a comprehensive process.
- (ii) Planning of a test is one of the steps for construction and standardization of a test.
- (iii) Arthur Otis is the founder of group test of intelligence.
- (iv) Observation is both quantitative and qualitative.

(b) Write very short answers of the following : $1 \times 4 = 4$

- (i) "Measurement is the description of data in terms of numbers." Who has given the statement?

- (ii) Mention one condition affecting reliability.
- (iii) Write one scope of educational statistics.
- (iv) Mention one property of normal probability curve.
2. Write short notes on the following : $4 \times 5 = 20$
- (a) Defects of present evaluation system
 - (b) Conditions for objectivity of a test
 - (c) Observational methods of personality assessment
 - (d) Merits and demerits of mean
 - (e) Principles of drawing a cumulative frequency polygon
3. What is educational measurement? Write the needs of measurement in the field of education. Distinguish between physical measurement and mental measurement.

$2+3+5=10$

Or

- Mention two major objectives of evaluation. Write briefly three principles of evaluation. Discuss the relation between measurement and evaluation.
4. What is meant by tools of evaluation? Mention three types of tools of measurement and evaluation. Distinguish between teacher-made test and standardized test.

$2+3+5=10$

Or

What is reliability? Mention three factors affecting reliability in a test. Discuss any two methods of estimating reliability in a test.

2+3+5=10

5. Define intelligence. Write the features of Stanford revision of Binet-Simon Scale, 1916. Differentiate between verbal and non-verbal test of intelligence. 2+3+5=10

Or

What is aptitude test? Mention the advantages of differential aptitude test. Briefly discuss any one specific aptitude test.

2+3+5=10

6. Calculate standard deviation from the following data : 6

C-I	f
85-89	1
80-84	2
75-79	3
70-74	5
65-69	5
60-64	15
55-59	10
50-54	12
45-49	7
40-44	8
35-39	2
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	N = 70

7. What is meant by statistics? State any three natures of educational statistics. $2+3=5$
8. Draw a pie diagram from the following distribution : 5

<i>Area of expenditure</i>	<i>Percentage of expenditure</i>
1. Primary education	25%
2. Secondary education	15%
3. Higher education	25%
4. Technical education	20%
5. Women education	10%
6. Adult education	5%
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/> Total = 100%	

9. Compute the coefficient of correlation by rank-difference method from the following scores : 6

<i>Serial No.</i>	<i>Marks in Subject A</i>	<i>Marks in Subject B</i>
A	90	91
B	87	89
C	68	73
D	88	89
E	87	84
F	75	80
G	85	86
H	90	89
I	72	85
J	70	79
