

Total No. of Printed Pages—4

3 SEM TDC EDN M 2

2018

(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. $2+3+5=10$

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. $2+3+5=10$

(Continued)

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
	<hr/> 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 :

<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/>	
Total = 100%	

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

<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

★ ★ ★