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(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) Psychological measurement has no true zero point.
 - (ii) Face validity is the mere appearance that a test measures what the test desires to measure.
 - (iii) TAT is a projective technique of assessing personality.
 - (iv) The concept of IQ was first suggested by Alfred Binet.

(b) Answer the following questions : $1 \times 4 = 4$

(i) Define measurement.

(ii) Mention one internal factor that affects reliability of a test.

(iii) What is range?

(iv) Write any one property of normal probability curve.

2. Write short notes on the following : $4 \times 5 = 20$

(a) Relation between measurement and evaluation

(b) Rating scale

(c) Differential aptitude test

(d) Types of data

(e) Uses of pie diagram

3. What is meant by educational measurement?

Write three characteristics of physical measurement. Discuss the importance of measurement in education.

$2+3+5=10$

Or

What is meant by evaluation? How far are measurement and evaluation necessary in the field of education? Describe the characteristics of continuous and comprehensive evaluation.

$2+3+5=10$

4. What is validity? Explain face validity, predictive validity and concurrent validity.

$2+2+3+3=10$

Or

What is standardized test? Describe the steps involved in construction of a standardized achievement test. 3+7=10

5. What are self-report inventories? Describe the advantages and disadvantages of self-report inventory as a tool for assessment of personality. 2+4+4=10
6. What is meant by the term 'educational statistics'? Explain its importance in the field of education. 2+3=5
7. Calculate quartile deviation from the following distribution table : 6

<i>Class Interval</i>	<i>Frequency</i>
90-94	2
85-89	2
80-84	4
75-79	8
70-74	8
65-69	13
60-64	9
55-59	6
50-54	5
45-49	1
40-44	2
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	$N = 60$

8. Draw a histogram from the following frequency distribution table : 5

<i>Class Interval</i>	<i>Frequency</i>
20-24	2
25-29	3
30-34	6
35-39	10
40-44	15
45-49	9
50-54	6
55-59	4
60-64	3
65-69	2
	<hr/>
	$N = 60$

9. Determine the coefficient of correlation by using product moment method from the two sets of scores given below : 6

<i>Student</i>	<i>Marks in English</i>	<i>Marks in History</i>
A	78	84
B	36	54
C	98	36
D	25	60
E	75	36
F	10	54
G	25	92
H	62	36
I	36	62
J	44	68
