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3 SEM TDC EDN M 2

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(November)

EDUCATION

(Major)

Course : 302

(Educational Measurement and Evaluation)

Full Marks : 80

Pass Marks : 32 (Backlog) / 24 (2014 onwards)

Time : 3 hours

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

1. *(a)* Write True or False of the following : 1×5=5

   (i) Evaluation is concerned with the total value and pre-supposes the definitions of goals and objectives.

   (ii) The duty of every teacher is to measure the pupil's progress in academic or scolastic achievement.

   (iii) The aptitude tests can be broadly classified into General Aptitude Test (GAT) and differential aptitude test (DAT).

　　　　　　　　　　　　(Turn Over)

(iv) Cultural influences affect the validity of a psychological test.

(v) The number of items in the 1908 intelligence scale was increased from 30 items to 59 items.

(b) Give very short answers of the following : 1×3

(i) "Measurement of assignment of numerals to object or events according to rules." Who said this?

(ii) Write one purpose of graphical representation of data.

(iii) Find the mode of the following ungrouped data :

7, 7, 8, 9, 9, 9, 10, 11, 11, 12

2. What is meant by educational measurement? Write three scopes of measurement. Discuss briefly on the importance of measurement in education.
2+3+5=10

Or

What is continuous evaluation? Write about the need of continuous evaluation in education. Discuss on the differences between continuous and comprehensive evaluation.
2+4+4=10

3. What is meant by reliability? Write three characteristics of reliability. Describe the conditions affecting reliability of an achievement test.
2+3+5=10

(Continued)

Or

What is educational achievement test? Discuss on the steps for construction and standardization of an academic achievement test.
2+8=10

4. What is meant by measurement of intelligence? Write three principles of construction of intelligence test. Discuss briefly on the applicability of the test of intelligence in education.
2+3+5=10

Or

What is assessment of personality? Describe briefly four conditions of good observation. Write on the limitations of observation on assessment of personality.
2+4+4=10

5. Calculate mean deviation from the following distribution :
6

Class interval	Frequencies
50–54	3
45–49	5
40–44	8
35–39	10
30–34	14
25–29	9
20–24	6
15–19	3
10–14	2
	N = 60

6. Mention two advantages and two disadvantages of range.
2+2=4

(Turn Over)

7. Draw a frequency polygon or histogram from the following distribution :

Class interval	Frequencies
100–104	5
95–99	4
90–94	6
85–89	8
80–84	2
75–79	1
70–74	2
65–69	1
60–64	1
	$N = 30$

8. Determine the coefficient of correlation by Rank Difference Method from the following two sets of scores :

X : 19 29 24 27 16 56 22 32 18 24
Y : 32 24 42 54 42 67 58 57 49 87

9. Answer/Write short notes on the following :

4×5=

(a) Relation between measurement and evaluation

(b) Content validity

(c) Role of aptitude test in education

(d) Mention four merits or advantages of standard deviation.

(e) Write four properties of Normal Probability Curve (NPC).

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