

M.A. Semester-III Examination 2014
Education
Paper : EDN-232
Measurement and Evaluation in Education

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Answer all the questions.

1. Define Measurement and Evaluation. Establish interrelationships among measurement and evaluation in context of Education. 1.5+1.5+5

OR

List-up the functions of measurement supplemented with suitable example of each. How various sources of errors influence measurement in education? 6+2

2. Differentiate between norm-referenced and criterion-referenced tests. Classify achievement tests, along with suitable example of each, from the discipline education. 2+6

OR

Show your acquaintance with general characteristics of a good test. List-up sequential steps (*and sub-steps, if any*) to be followed to construct a good test. Define standardized test. 4+3+1

3. Determine the validity index of a Linguistic Ability Test as a predictor of 'verbal fluency' from the following data when you predict that student scoring 3 or more in the test will succeed in 'verbal fluency'. 8

Predictor (Test) Score	Criterion Performance (Verbal Fluency)		
	Successful	Unsuccessful	
5	15	0	15
4	12	4	16
3	10	6	16
2	5	11	16
1	3	14	17
	45	35	80

OR

A 20-item Math Achievement Test with a reliability coefficient of .20 is increased to 40 items. What will be the reliability coefficient of the new test? How many more items are required to be added to the existing test items to obtain a reliability coefficient of .80 ? 4+4

4. Answer **any four** of the following : 3×4
- (a) Explain the concept of CCE
- (b) What is intelligence test? What are its types?
- (c) Briefly state the Likert's method of constructing an Attitude Scale.
- (d) 'Face validity is not a virtue but Lacking of it is a vice' - Comment.
- (e) Find out z-score (sigma score) of the following raw scores of a given distribution with a mean of 17.50 and a standard deviation of 2.30 :

20, 25, 17, 15 and 14.

P.T.O.

(2)

- (f) A 50 item test was administered to a group of 100 school students. This distribution have a mean of 25 and a variance of 27. It is known that difficulty level of the test items are about the same. Determine its reliability coefficient.
5. Choose and write the correct response from the following items :
- (i) Interval scale of measurement lacks :
 - (a) Relative zero (b) True zero (c) Absolute zero (d) Deviation zero
 - (ii) Development of "Blue Print" of any test is a part of :
 - (a) Planning the test (b) Preparing the test
 - (c) Try-out the test (d) Evaluating the test.
 - (iii) Confidence in the inferences made from any test results depends upon :
 - (a) Reliability of the test (b) Validity of the test
 - (c) Test objectivity (d) Test usability
 - (iv) Which one of the following is a normalized standard score?
 - (a) Sigma score (b) Percentile score
 - (c) Stanine (d) Z-score
-