

TDP (General) 4th Semester Exam., 2018

EDUCATION

(General)

FOURTH PAPER

Full Marks : 40

Time : 2 hours

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

Answer **four** questions, taking **one** from each Unit

*Candidates are required to give their answers in their
own words as far as practicable*

UNIT—I

1. What is measurement? How are measurement and evaluation related? 3+7=10

2. What are the objectives of evaluation? Discuss the needs of evaluation in education.

5+5=10

UNIT—II

3. What is meant by a test? Mention the two standardized tests. Discuss the characteristics of a good test. $2+2+6=10$
4. What is validity of a test? What are different types of validity? What are the factors which contribute to the lowering of validity of a test? $2+4+4=10$

UNIT—III

5. What is frequency distribution? Tabulate the following scores into a frequency distribution using a class interval of 5 units : $2+8=10$

55 37 35 33 25 27 40 33 39 28
 51 28 29 21 29 34 29 44 36 22
 25 41 20 36 42 15 33 47 32 38
 46 19 21 17 26 19 16 27 24 21
 10 14 16 34 18 46 15 33 27 27

6. What is meant by the central tendency of a group of obtained scores? Calculate the mean, median and mode for the following distribution : $2+3+3+2=10$

Scores	90-94	85-89	80-84	75-79	70-74	65-69
f	2	2	4	8	6	11

Scores	60-64	55-59	50-54	45-49	40-44
f	9	7	5	0	2

UNIT—IV

7. What is correlation? Calculate the coefficient of correlation between marks in Science and Mathematics obtained by the students as given below using rank-difference method : $3+7=10$

Roll No.	1	2	3	4	5
Science Marks	48	62	75	56	68
Mathematics Marks	55	50	85	48	62

Roll No.	6	7	8	9	10
Science Marks	42	35	44	54	67
Mathematics Marks	35	45	50	45	61

Roll No.	11	12	13	14	15
Science Marks	61	54	48	54	35
Mathematics Marks	59	48	50	60	35

8. What is normal probability curve? What are its characteristics? Distinguish between skewness and kurtosis. $2+4+4=10$
