TDC (CBCS) Odd Semester Exam., 2023

EDUCATION

(Honours)

(5th Semester)

Course No. : EDUHCC–501T

(Elements and Research and Statistics in Education)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer *ten* questions, selecting any *two* from each Unit :   2×10=20

UNIT—I

1. Define research.

2. Write the characteristics of educational research.

3. What is basic research?

(*Turn Over*)

UNIT—II

4. Explain the types of descriptive research.

5. Write the nature and steps of historical research.

6. What are the types of experimental research?

UNIT—III

7. State the meaning of statistics in education.

8. Write the basic concept of organization of data.

9. Write a note on ogive.

UNIT—IV

10. Explain the concept and uses of mean.

11. What is measure of variability?

12. Write the example of bimodal grouped data.

UNIT—V

13. What is coefficient of correlation?

14. Write the formula of rank difference correlation.

15. Write the formula of percentile.

SECTION—B

Answer *five* questions, selecting *one* from each Unit :   10×5=50

UNIT—I

16. Compare applied and action researches.

17. Describe the steps and procedure of conducting action research.

UNIT—II

18. State the concept and steps of survey method.

19. Explain quasi experimental design.

UNIT—III

20. Compare frequency polygon and cumulative frequency.

21. Describe the concept and advantages of graphical representation of data.

(4)

22. Compute mean from the following data :

Class Interval	Frequency
55–59	4
50–54	5
45–49	7
40–44	9
35–39	10
30–34	8
25–29	3
20–24	2
15–19	2
	$N = 50$

23. Compute Pearson's product-moment correlation by using following data set :

Students	Scores in Geography	Scores in History
A	30	40
B	29	30
C	30	32
D	40	43
E	31	49
F	40	39
G	29	34
H	34	28
I	43	38

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UNIT—V

24. Compute standard deviation from the following data set :

Scores	Frequency
60–64	2
55–59	3
50–54	4
45–49	10
40–44	6
35–39	3
30–34	2
	$N = 30$

25. Calculate percentile point P_{50} for the following data :

Class Interval	Frequency
55–59	2
50–54	3
45–49	4
40–44	5
35–39	6
30–34	4
25–29	3
20–24	2
15–19	1
	$N = 30$

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