## UG/4th Sem (H)/23/(CBCS)

## 2023

## **EDUCATION (Honours)**

Paper Code: EDCH DC-9

(Statistics in Education)

Full Marks: 32 Time: Two Hours

The figures in the margin indicate full marks.

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

- Answer any four of the following questions: 2×4=8
  - (a) Define the term 'variable'.
  - (b) Write four uses of Statistics in Education.
  - (c) Write two basic characteristics of ungrouped data.
  - (d) Define positive skewness with appropriate diagram.
  - (e) Write the meaning of coefficient of correlation.
  - (f) Write two merits of graphical representation of data.
- 2. Answer any four of the following questions: 4×4=16
  - (a) Write the sources of educational data with appropriate examples.

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- (b) Write the characteristics and uses of Stannine score.
- (c) Explain the features of 'Ogive'.
- (d) Write uses and limitations of the measures of central tendency.
- (e) Compute the Percentile Rank of a score 49.5 from the following distribution:

Class	79-70	69-60	59-50	49-40	39-30	29-20	19-10	
f	3	9	15	16	10	5	2	N=60

- (f) Write properties of NPC.
- 3. Answer any one of the following questions:  $8 \times 1 = 8$ 
  - (a) Find out the SD of the following scores:

score L	15-19	20-24	25-29	30-34	35-39	40-45	46-49	50-54
e .	2	4.	5	8	10	9	8	4

(b) Compute coefficient of correlation of the following sets of score by Spearman Method and interpret result

				15	10	E	G	H	1	a.J.
Pupils	A	B	C	1:35	, E	-				
Score of Test-I	10	15	1.1	14	16.	20	10	8	7	9
Score of Test-II	16	16	24	18	22	. 24	14	10	12	14