

MAHARAJA BIR BIKRAM UNIVERSITY  
TDP(H) 5<sup>TH</sup> SEMESTER (PRACTIAL) EXAMINATION 2019  
SUBJECT: GEOGRAPHY  
COURSE: DSE – 1 (HONOURS)

Full Marks: 20

Time: 3 Hours

**Answer all questions:**

Q 1 . Compute rank-correlation between per capita income (Rs) and poverty rate in major states of India and also represent it on scatter diagram with interpretation. 5+2= 7

Sl. No.	States	Per capita income (Rs)	Poverty Rate
1	Andhara Pradesh	69000	9.2
2	Assam	41142	31.98
3	Bihar	21750	33.74
4	Chattisgarh	55177	39.93
5	Gujarat	87481	16.63
6	Jammu & Kashmir	53173	10.35
7	Jharkhand	41254	39.96
8	Karnataka	90269	20.91
9	Kerala	97912	7.05
10	Madhya Pradesh	38551	31.65
11	Maharashtra	99564	17.35
12	Rajasthan	57192	14.71
13	Tamil Nadu	92984	11.28
14	Uttar Pradesh	32002	29.43
15	West Bengal	51543	19.98

Source: Per capita income (Rs) at current prices, Central Statistical Organization, New Delhi, 2011-12;  
Poverty Rate (Based on MRP consumption), Planning Commission, NSSO, 2011-12.

Q. 2. Define t-test. Conduct a t-test of the given data, the data are of test scores from test 1 to test 6. Does the test show an improvement? Use 5 % level of significance. Represent the result with the help of an illustration.

1+6+1=8

No. of students	1	2	3	4	5	6	7	8
Marks in 1 <sup>st</sup> Test	50	42	51	26	35	42	60	41
Marks in 6 <sup>th</sup> Test	62	40	61	35	30	52	68	51

Q. 3. Geography Laboratory Notebook and Viva-voice.

3+2=5