

SARSUNA COLLEGE (563)

BSc (Gen) Examination 2020-21, University of Calcutta

System: CBCS Semester: 1 Subject: Statistics Paper: CC/GE-1 (practical) Time: 2 Hrs 30 Minutes

Full Marks: 30

Send the scanned copy (pdf) of answer script (A4 page) to the following mail ids

gsanjib.stat@gmail.com, sarsunastatistics@gmail.com

Write the following information on the top of the first page

Name:		
College Name:		
Registration No:	Roll No: (Both college and University)	
Department:	Subject:	Paper:
Mobile No:	Mail id:	
* Give serial number of the additional pages with your registration number and roll number		

Answer all the questions.

1. The following are the marks obtained by 50 boys.

7	18	37	53	24	39	41	23	64	67
68	40	93	43	11	27	68	72	19	12
21	19	32	75	52	84	15	11	23	19
52	29	92	79	45	81	63	36	21	33
53	8	41	14	26	26	33	49	40	19

Construct a frequency distribution with a class interval of 10. Obtain cumulative frequency distributions. Also determine median from the grouped data. 4+2+4=10

2. The scores of two golfers for 6 rounds each are :

A	58	59	60	54	65	66
B	84	56	92	65	86	78

Which may be regarded as the more consistent player? 6

3. Find the kurtosis from the following frequency distribution. 6

Class	0-10	10-20	20-30	30-40
Frequency	1	4	3	2

4. The test scores made by 8 salesman on an intelligence test and their weekly sales are recorded below :

Salesman :	Test Scores :	Sales (in thousand rupees) :
1	40	2.5
2	75	6.0
3	85	4.5
4	50	2.5
5	90	5.5
6	45	3.5
7	60	4.0
8	65	3.5

Obtain the linear regression equation of sales on test score. Hence give an estimate of the sales of a salesman who makes a score of 70 on the test.