

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-II)
Session: - 2019 - 2020
Unit Test I**

**Name of the Teacher: - V.A.Chainani
Subject :- Statistics (Paper- II)**

**Date: 29/03/2020
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	A. S. MISHRA	10
2	A. VIJAYKUMAR	17
3	B.V. SINDHAMWAR	A
4	CHINAR KURVE	6
5	HARSHA S. UKEY	17
6	J. G. GAYDHANE	6
7	KOMAL P. JOKYANI	15
8	M.S. KHAIRKAR	12
9	M.N. SELOKAR	14
10	PARIDHI A. SINGH	12
11	POOJA S. TELANG	15
12	PREETI RAI	14
13	R.M. GOSWAMI	A
14	RIYA RAI	12
15	RUSHIKA V. TIKOO	16
16	S.V. RAMBHAD	A
17	SHARVARI S. NATU	6
18	S. CHADOKAR	17
19	S.R. BHONDE	8
20	S.G. DANDEKAR	5
21	S.V. UGEMUGE	14
22	V. KALOKAR .	A
23	V.S. KULKARNI	12
24	V. WADSKAR .	A
25	A.C. MESHRAM	10
26	AMAN AGRAWAL	10
27	C. D. MADHAVI	A
28	P.P. BAHARGHARE	A
29	S.S. DONGRE	15
30	SAYABAJ SHEIKH .	7
31	SHIVAM R. KAKDE	A
32	S.A.I. SHEIKH	A

Ahainani

Signature of Teacher



M. Panale

Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—II Examination 2020
STATISTICS
Unit Test -I
Semester II Paper—II

Time : 45 min]

Maximum Marks : 20.

Date: 29/03/2020

NOTE: All questions carry equal marks

1. Define mean, median and mode. State the merits and demerits of each of them.
2. Explain the effect of change of origin and scale on mean. Also, derive the formula for median and mode to be used in a grouped frequency distribution
3. Define standard deviation. State its merits and demerits
4. Show that mean deviation about mean is independent of change of origin but not of scale.

Ahainani

Signature of Teacher



U. S. Panale

Head

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Department of Statistics
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-II)
Session: - 2019 - 2020
Unit Test II**

**Name of the Teacher: - V.A.Chainani
Subject :- Statistics (Paper- II)**

**Date: 20/04/2020
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	A. S. MISHRA	12
2	A. VIJAYKUMAR	13
3	B.V. SINDHAMWAR	A
4	CHINAR KURVE	17
5	HARSHA S. UKEY	8
6	J. G. GAYDHANE	A
7	KOMAL P. JOKYANI	16
8	M.S. KHAIRKAR	11
9	M.N. SELOKAR	8
10	PARIDHI A. SINGH	15
11	POOJA S. TELANG	8
12	PREETI RAI	8
13	R.M. GOSWAMI	8
14	RIYA RAI	7
15	RUSHIKA V. TIKOO	5
16	S.V. RAMBHAD	17
17	SHARVARI S. NATU	18
18	S. CHADOKAR	6
19	S.R. BHONDE	5
20	S.G. DANDEKAR	A
21	S.V. UGEMUGE	17
22	V. KALOKAR .	A
23	V.S. KULKARNI	A
24	V. WADSKAR .	10
25	A.C. MESHAM	11
26	AMAN AGRAWAL	A
27	C. D. MADHAVI	5
28	P.P. BAHARGHARE	A
29	S.S. DONGRE	A
30	SAYABAJ SHEIKH .	16
31	SHIVAM R. KAKDE	9
32	S.A.I. SHEIKH	A

Ahainani

Signature of Teacher



M. Panale

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Bachelor of Science (B.Sc.) Semester—II Examination 2020
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Unit Test -II
Semester II Paper—II

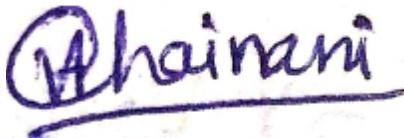
Time : 45 min]

Maximum Marks : 20.

Date: 20/04/2020


NOTE: All questions carry equal marks

1. Define quartiles. Explain how different quartiles are obtained for grouped frequency distribution using formulae and cumulative frequency diagram of less than type.
2. Write a short note on skewness.
3. Explain the use of rank correlation. Derive the formula for Spearman's rank correlation in case of no tie..
4. Derive the expression for line of best fit of Y on X by the method of least squares. Explain effect of change of origin and scale on regression coefficients.



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