

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-II)
Session: - 2017 - 2018
Unit Test I**

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

**Date: 22/02/2018
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ANKUSH D. YEDE	A
2	ASHWINI S. MALHARE	6
3	DIPTI VIVEK VAIDYA	15
4	HARSHITA . KAPSE	A
5	HEMA R. GUPTA	6
6	KETKI R. SHENDE	A
7	KHUSHI R. SHARMA	8
8	MADHURA V. DUBEY	11
9	MANSI B. DOKRIMARE	6
10	NEETU M. DHARMARI	13
11	NITISHA R. PILLEWAN	A
12	PRANJALI . MIRALWAR	16
13	RADHIKA A. TIWARI	9
14	RUCHIKA . GOLAIT	8
15	SAUJANYA . YELMULE	13
16	SNEHA S. IKHAR	11
17	SWARDA S.H KAWARE	A
18	TANUJA D. LILHARE	17
19	UNNATI J. UKINKAR	9
20	AMEYA R. MHAISURKAR	15
21	BHUSHAN G.MESHRAM	A
22	H. B. SHARANAGAT	9
23	MAYANK . RAMTEKKAR	16
24	OMKAR UMESH LONDHE	A
25	PRATIK S. MULEY	13
26	P.D. RAKHADE	8
27	SANKET R. TOPLE	17
28	S.A. DESHPANDE	14
29	SUBODH N. CHAUDHARI	A
30	YOGESH R. WAGHODE	12

Ahainani



Signature of Teacher

M. P. Anale

Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—II Examination 2018
STATISTICS
Unit Test -I
Semester II Paper—II

Time : 45 min]

Maximum Marks : 20.

Date: 22/02/2018

NOTE: All questions carry equal marks

1. Define mean, median and mode. State the drawbacks 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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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-II)
Session: - 2017 - 2018
Unit Test II**

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

**Date: 05/04/2018
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	ANKUSH D. YEDE	10
2	ASHWINI S. MALHARE	A
3	DIPTI VIVEK VAIDYA	11
4	HARSHITA . KAPSE	9
5	HEMA R. GUPTA	A
6	KETKI R. SHENDE	13
7	KHUSHI R. SHARMA	6
8	MADHURA V. DUBEY	12
9	MANSI B. DOKRIMARE	A
10	NEETU M. DHARMARI	12
11	NITISHA R. PILLEWAN	A
12	PRANJALI . MIRALWAR	12
13	RADHIKA A. TIWARI	8
14	RUCHIKA . GOLAIT	A
15	SAUJANYA . YELMULE	10
16	SNEHA S. IKHAR	8
17	SWARDA S.H KAWARE	A
18	TANUJA D. LILHARE	7
19	UNNATI J. UKINKAR	A
20	AMEYA R. MHAISURKAR	12
21	BHUSHAN G.MESHRAM	6
22	H. B. SHARANAGAT	A
23	MAYANK . RAMTEKKAR	11
24	OMKAR UMESH LONDHE	8
25	PRATIK S. MULEY	8
26	P.D. RAKHADE	11
27	SANKET R. TOPLE	A
28	S.A. DESHPANDE	A
29	SUBODH N. CHAUDHARI	9
30	YOGESH R. WAGHODE	16

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Signature of Teacher



M. Panale

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Bachelor of Science (B.Sc.) Semester—II Examination 2018
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Unit Test -II
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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 Kurtosis.
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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