

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-II)
Session: - 2023 - 2024
Unit Test I**

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 19/03/2024
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	BAGLE PAYAL DHARMPAL	13
2	CHAHANDE SASANT ANUP	12
3	DAHAKA MAYURI DEVENDRA	8
4	GUPTA PAYAL RAJESH	12
5	KAZI FIRDOSH SHARIF	7
6	KUMRE BHAGYASHRI CHANDRASHEKHAR	16
7	KUMRE NIKHIL BABURAO	15
8	KUNJARKAR ATHARVA MANGESH	A
9	LAKHOTE NEHARIKA RAJU	9
10	MANDWE ADARSH HIMMAT	A
11	MANGAM YUKTA DILIPRAO	A
12	MANWATKAR SAMIKSHA RAVI	10
13	MESHARAM SHRUTI PRASANJEET	A
14	MISHRA SONU MAHESH	16
15	MURADE AYASHA RAJU	8
16	NAGALWADE MEGHA MUNNAJI	10
17	PAL SAKSHI AKHILESH	16
18	PARIHAR MANIKA DILIPSINGH	11
19	PARSHIONIKAR HEMANSHU VINOD	A
20	PILLARE PRANALI DEVIDAS	13
21	PUJARI SARVESH SAMIR	7
22	RAMTEKE PRAJAKTA SANDESH	A
23	RAUT AARTI BALKRISHNA	15
24	RAUT NAMRATA NARESH	7
25	SHEIKH ROZINA ZAKIR HUSSAIN	9
26	SINGH ABHAY RAJVENDRA	12
27	SURKAR BHAGYASHRI NARENDRA	7
28	TAMBDE SOHAM VILIN	7
29	TARAR ADITI VINOD	13
30	VAIDYA SRUSHTI JAGDISH	10
31	WADEKAR AKSHAY BABA	15

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Signature of Teacher



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Head

Head

**Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.**

Bachelor of Science (B.Sc.) Semester—II Examination 2024
STATISTICS
Unit Test -I
Semester II Paper—II


Time : 45 min]

Maximum Marks : 20.

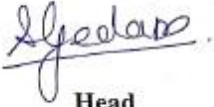
Date: 19/03/2024

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.


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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: - 2023 - 2024
Unit Test II**

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 08/04/2024
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	BAGLE PAYAL DHARMPAL	10
2	CHAHANDE SASANT ANUP	A
3	DAHAKA MAYURI DEVENDRA	15
4	GUPTA PAYAL RAJESH	9
5	KAZI FIRDOSH SHARIF	14
6	KUMRE BHAGYASHRI CHANDRASHEKHAR	13
7	KUMRE NIKHIL BABURAO	15
8	KUNJARKAR ATHARVA MANGESH	A
9	LAKHOTE NEHARIKA RAJU	10
10	MANDWE ADARSH HIMMAT	12
11	MANGAM YUKTA DILIPRAO	A
12	MANWATKAR SAMIKSHA RAVI	15
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14	MISHRA SONU MAHESH	12
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Bachelor of Science (B.Sc.) Semester—II Examination 2024
STATISTICS
Unit Test -II
Semester II Paper—II


Time: 45 min]

Maximum Marks: 20.

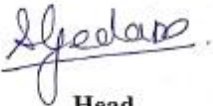
Date: 08/04/2024

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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