

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-II)  
Session: - 2021 - 2022  
Unit Test I**

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

**Date: 08/03/2022  
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	9
3	ANCHAL SUR	A
4	ANJALI JAISWAL	16
5	ARYA G KADU	7
6	ASTHA KADU	11
7	AVANI V ADHAV	7
8	BHAVSH R KADWE	12
9	DARSHAN V DARVEKAR	A
10	DHRUVIKA O GOTMARE	17
11	DIYANKA M RAUT	7
12	EKTA V SANT	A
13	GUNJAN V MOURYA	13
14	HARSHITA S VARADE	A
15	HIMANSHU D RAMTEKE	7
16	ISHIKA S NAIK	9
17	ISHITA S SHRIVASTAVA	13
18	JANHAVI P DIWAKAR	13
19	JAYANT J HALDAR	14
20	KASHISH H BAWANGADE	10
21	MANSI D NANDANWAR	6
22	OM P DORLE	7
23	PARTH S VIRKHARE	10
24	PRANALI D DANDEKAR	16
25	PRANAV R BAGADE	7
26	PRIYA KUMARI PRASAD DEONATH	8
27	PRIYANKA M KHARWAR	6
28	RAJAT B TIWARI	10
29	RIYA R SINGH	10
30	ROHAN K NIMJE	6
31	SANJANA M GHATOLE	17
32	SARVAJEET P MASANWAR	A
33	SEJAL V SURUSE	8
34	SHRADDHA S SANDEL	16
35	SHRUTI R BHAGAT	16
36	SHRUTI S GAIKWAD	11

37	SHUBADA V KABULE	16
38	SUDHANSHU SAKARE	11
39	TRUPTI A MONDHE	17
40	VIDHAN R HEDAOO	A
41	YUNAKSHI P KAROKAR	A

*Shubada*

**Signature of Teacher**



*U. P. K.*

**Head**

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

**Bachelor of Science (B.Sc.) Semester—II Examination 2022**

**STATISTICS**

**Unit Test -I**

**Semester II Paper—II**

**Time : 45 min]**

**Maximum Marks : 20.**

**Date: 08/03/2022**

**NOTE: All questions carry equal marks**

1. Define geometric mean and harmonic mean. 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 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.



**Signature of Teacher**



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Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-II)  
Session: - 2021 - 2022  
Unit Test II**

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

**Date: 26/04/2022  
Batch :- M8-M9(SCSM)**

S.no.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	9
3	ANCHAL SUR	A
4	ANJALI JAISWAL	16
5	ARYA G KADU	6
6	ASTHA KADU	6
7	AVANI V ADHAV	A
8	BHAVSH R KADWE	A
9	DARSHAN V DARVEKAR	8
10	DHRUVIKA O GOTMARE	13
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**Head**

**Department of Statistics  
Shivaji Science College  
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**Bachelor of Science (B.Sc.) Semester—II Examination 2022**  
**STATISTICS**  
**Unit Test -II**  
**Semester II Paper—II**


**Time : 45 min]**

**Maximum Marks : 20.**

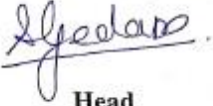
**Date: 26/04/2022**

**NOTE: All questions carry equal marks**

1. Define quartile of a frequency distribution. Explain how they can be graphically located. Explain use of quartiles in studying skewness of frequency distribution
1. Draw a sketch of box plot. How can box-plot be used to study skewness of a distribution ?
3. Explain the use of rank correlation coefficient. Derive the expression for Spearman's rank correlation coefficient in case of (i) no ties (ii) ties in the ranks.
4. Show that, if one of the regression coefficients is greater than unity then other one is less than unity.

  
**Signature of Teacher**



  
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