

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II (Semester-IV)
Session: - 2022 - 2023
Unit Test I**

**Name of the Teacher: - Shivani U. Patil
Subject :- Statistics (Paper- I)**

**Date: 09/03/2023
Batch :- M8-M9(SCSM)**

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

36	SHRUTI R BHAGAT	8
37	SHRUTI S GAIKWAD	10
38	SHUBADA V KABULE	15
39	SUDHANSHU SAKARE	10
40	TRUPTI A MONDHE	15
41	VIDHAN R HEDAOO	08
42	YUNAKSHI P KAROKAR	A



Signature of Teacher



**Head
Head**

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

Bachelor of Science (B.Sc.) Semester—IV Examination 2023
STATISTICS
Unit Test –I
Semester IV Paper—I

Time : Three Hours]

Maximum Marks : 20.

Date: 09/03/2023

NOTE: All questions carry equal marks

1. Explain point estimation and state difference the terms estimate, estimator and estimation.
2. Explain testing of hypothesis and also explain types of error in hypothesis.
3. Explain confidence interval, limits and also explain power of the test.
4. Derive F test for the difference of variance and construct $100(1-\alpha)\%$ of confidence interval.



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II (Semester-IV)
Session: - 2022 - 2023
Unit Test II**

**Name of the Teacher: Shivani U. Patil
Subject :- Statistics (Paper- I)**

**Date: 18/04/2023
Batch :- M8-M9(SCSM)**

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

36	SHRUTI R BHAGAT	12
37	SHRUTI S GAIKWAD	09
38	SHUBADA V KABULE	13
39	SUDHANSHU SAKARE	12
40	TRUPTI A MONDHE	15
41	VIDHAN R HEDAOO	10
42	YUNAKSHI P KAROKAR	A



Signature of Teacher



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Bachelor of Science (B.Sc.) Semester—IV Examination 2023

STATISTICS

Unit Test –II

Semester IV Paper—I

Time : Three Hours]

Maximum Marks : 20.


Date: 18/04/2023

NOTE: All questions carry equal marks

1. Explain the chi square test for testing independence of attributes in $(r \times s)$ contingency table.
2. Explain the chi square test for testing the homogeneity of population.
3. Define central limit theorem also explain its test criteria
4. Explain the large sample test for testing the equality of two population mean at level of significance. When population are unknown.



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