

**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: - Shivani U. Patil
Subject :- Statistics (Paper- I)**

**Date: 13/04/2022
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	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



Signature of Teacher



**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—I

Time : 45 Minutes]

Maximum Marks : 20.

Date: 13/04/2022

NOTE: All questions carry equal marks

1. Derive the probability mass function of Bernoulli distribution find its mean and variance
1. State and prove additive property of binomial distribution.
3. Derive p.m.f. of negative binomial distribution. Also find its mean and variance.
4. Derive p.m.f. of geometric distribution. Also find its mean and variance by using moment generating function.



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Department of STATISTICS

Class :- B. Sc. I (Semester-II)

Session: - 2021 - 2022

Unit Test II

Name of the Teacher: - Shivani U. Patil

Date: 05/05/2022

Subject :- Statistics (Paper- I)

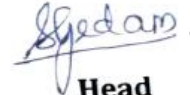
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Congress Nagar, Nagpur.

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

STATISTICS

Unit Test -II

Semester II Paper—I

Time : 45 Minutes]

Maximum Marks : 20.

Date: 05/05/2022

NOTE: All questions carry equal marks

1. Find mode of Normal distribution.
2. Find odd and even order moments of normal distribution.
3. State p.m.f. of uniform distribution also find its mean and variance
4. State p.d.f. of exponential distribution find its m.g.f. and hence find mean and variance.
5. State p.d.f. of beta distribution of 2nd kind and find its mean and variance



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