

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

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

**Date: 21/02/2023  
Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>NAME OF STUDENTS</b>	<b>Unit Test Marks (out of 20)</b>
1	BANGRE ARPIT MANOJ	10
2	BATWE HRUSHIKESH SANJAY	A
3	BISEN SAGAR ARUN	16
4	KU.BISWAS APARAJITA APURBA	A
5	KU.BHAYDE PRATEEKSHA PRAVIN	A
6	BHENDARKAR KHUSHRANG JAIPRAKASH	10
7	KU.BHUJADE RUTUJA RAJRNDRA	15
8	CHOUHAN SOMAY SATISH	A
9	DEWANGAN MAHANDRA GANESH	A
10	KU.DUDHANKAR RUPALI RAJESH	10
11	FULMALI HITESH SANTOSH	14
12	GAJBHIYE YASH RAJU	7
13	KU GAWANDE AMRUTA VIJAY	13
14	KU GAWANDE NEHA GAJENDRA	12
15	KU GONDANE ISHA DINESH	7
16	KU.GUPTA VAISHNAVI BHARAT	A
17	KU.GUPTA PRINCY ASHOK	17
18	INGLE AJINKYA MAHENDRA	10
19	KU.LICHADE AYUSHI KRISHNA	13
20	KU.LOKHANDE AKANSHA ARVIND	A
21	KU KARANDE ASTHA GANGADHAR	16
22	KHAN FAISAL NAYEEMUDDIN	A
23	KHODE YASH SANJAY	13
24	KU.KUTE ANUSHKA VINOD	17
25	KU.MOHADIKAR AKSHITA PUSHPARAJ	7
26	KUNAGARIKAR ANUJA JAYANT	14
27	KU.PANDEY KAMAL BRIJESH	17
28	KU.PARATE PRANJAL JEEVAN	13
29	KU.RAUT RAKSHA GAJANAN	A
30	KU.SATFALE RAKSHA SANJAY	17

31	KU.SINGALWAR FALGUNI ANIL	12
32	TIWARI SHUBHAM	A
33	TOMAR ATHARVA JITENDRA	A
34	WAGDE ASHLESHA YUVRAJ	14
35	WAGHE SAKSHI SANDIP	10
36	YADAV SEJAL ASHOK	10



**Signature of Teacher**



**Head  
Head**

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

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

**STATISTICS**

**Unit Test -I**

**Semester II Paper—I**

**Time : Three Hours]**

**Maximum Marks : 201.**

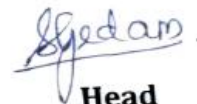
**Date: 21/02/2023**

**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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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-I)  
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.	NAME OF STUDENTS	Unit Test Marks (out of 20)
1	BANGRE ARPIT MANOJ	10
2	BATWE HRUSHIKESH SANJAY	A
3	BISEN SAGAR ARUN	15
4	KU.BISWAS APARAJITA APURBA	A
5	KU.BHAYDE PRATEEKSHA PRAVIN	16
6	BHENDARKAR KHUSHRANG JAIPRAKASH	13
7	KU.BHUJADE RUTUJA RAJRNDRA	17
8	CHOUHAN SOMAY SATISH	A
9	DEWANGAN MAHANDRA GANESH	A
10	KU.DUDHANKAR RUPALI RAJESH	15
11	FULMALI HITESH SANTOSH	14
12	GAJBHIYE YASH RAJU	10
13	KU GAWANDE AMRUTA VIJAY	10
14	KU GAWANDE NEHA GAJENDRA	11
15	KU GONDANE ISHA DINESH	9
16	KU.GUPTA VAISHNAVI BHARAT	11
17	KU.GUPTA PRINCY ASHOK	14
18	INGLE AJINKYA MAHENDRA	14
19	KU.LICHADE AYUSHI KRISHNA	A
20	KU.LOKHANDE AKANSHA ARVIND	10
21	KU KARANDE ASTHA GANGADHAR	17
22	KHAN FAISAL NAYEEMUDDIN	A
23	KHODE YASH SANJAY	8
24	KU.KUTE ANUSHKA VINOD	13
25	KU.MOHADIKAR AKSHITA PUSHPARAJ	7
26	KUNAGARIKAR ANUJA JAYANT	A
27	KU.PANDEY KAMAL BRIJESH	9
28	KU.PARATE PRANJAL JEEVAN	11
29	KU.RAUT RAKSHA GAJANAN	7
30	KU.SATFALE RAKSHA SANJAY	14

31	KU.SINGALWAR FALGUNI ANIL	17
32	TIWARI SHUBHAM	A
33	TOMAR ATHARVA JITENDRA	A
34	WAGDE ASHLESHA YUVRAJ	10
35	WAGHE SAKSHI SANDIP	A
36	YADAV SEJAL ASHOK	A



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**Bachelor of Science (B.Sc.) Semester—II Examination 2023**  
**STATISTICS**  
**Unit Test -II**  
**Semester II Paper—I**

**Time : Three Hours]**

**Maximum Marks : 20.**

**Date: 18/04/2023**

**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 2<sup>nd</sup> kind and find its mean and variance



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