

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-II)  
Session: - 2020 - 2021  
Unit Test I**

**Name of the Teacher: - M.A.Pande  
Subject :- Statistics (Paper- I)**

**Date: 29/03/2021  
Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>Students Full Name</b>	<b>Unit Test Marks(out of 20)</b>
1	AANCHAL GAIKWAD	A
2	AKSHADA GIRHE	13
3	ASHMI DATTA	A
4	BHAIRAVI CHAUHAN	8
5	BHAVNA GAIKWAD	10
6	CHARUSHREE MESHRAM	17
7	DHANSHREE NEHARE	8
8	HIMANSHI FULWANI	6
9	MADHVI SINGH	13
10	MANSI GOKHALE	10
11	MANSI HEDAHO	14
12	MAYURI MADANKAR	8
13	NAINAL SHANGONDAWAR	7
14	NEHA MOHATURE	17
15	NIKITA SAKHARKAR	12
16	POORVI GAJBHIYE	6
17	PORNIMA AWARI	A
18	PRIYA INGLE	10
19	PURVA LANDGE	A
20	RRENUKA CHORE	13
21	RINKU HATTEWAR	16
22	SAKSHI PURSWAMI	7
23	SAKSHI GUMGAONKAR	11
24	SAKSHI KALE	6
25	SEJAL SONULE	8
26	SHRADDHA WATH	A
27	SHRADDHA SALVE	13
28	SHRUTI KARANDE	17
29	SHRUSTI ZADE	11
30	TANVI KEDAR	14
31	VAISHNAVI DANGRE	14
32	VEDIKA POPHALI	7
33	VIDHI JAUHARI	A
34	VIDNYANI UMATHE	9

35	ADITYA GOUR	10
36	ARYAN PATIL	A
37	DIVYANSHU CHOUKSEY	10
38	JAYESH BORKAR	9
39	MRUNAL BENDARE	A
40	OM MANGLE	7
41	PIYUSH MESHARAM	13
42	PRAJWAL ALONE	6
43	PREM HINGWE	17
44	RANJIT RAUT	6
45	ROUNAK KSHIRSAGAR	A
46	VISHNU JOSHI	10

*M. Panale*  
Signature of Teacher



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

**Bachelor of Science (B.Sc.) Semester—II Examination 2021**  
**STATISTICS**  
**Unit Test -I**  
**Semester II Paper—I**

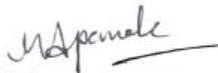
**Time : 45 Minutes]**

**Maximum Marks : 201.**


**Date: 29/03/2021**

**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  
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Department of STATISTICS  
Class :- B. Sc. I ( Semester-II)  
Session: - 2020 - 2021  
Unit Test II**

**Name of the Teacher: - M.A.Pande  
Subject :- Statistics (Paper- I)**

**Date: 18/04/2021  
Batch :- M8-M9(SCSM)**

<b>S.no.</b>	<b>Students Full Name</b>	<b>Unit Test Marks(out of 20)</b>
1	AANCHAL GAIKWAD	A
2	AKSHADA GIRHE	13
3	ASHMI DATTA	A
4	BHAIRAVI CHAUHAN	8
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45	ROUNAK KSHIRSAGAR	A
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Congress Nagar, Nagpur

**Bachelor of Science (B.Sc.) Semester—II Examination 2021**  
**STATISTICS**  
**Unit Test -II**  
**Semester II Paper—I**

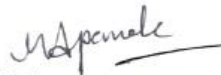
**Time : 45 Minutes]**

**Maximum Marks : 20.**


**Date: 18/04/2021**

**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

  
**Signature of Teacher**



  
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