

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-II)  
Session: - 2019 - 2020  
Unit Test I**

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

**Date:11/02/2020  
Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	A. S. MISHRA	A
2	A. VIJAYKUMAR	17
3	B.V. SINDHAMWAR	8
4	CHINAR KURVE	13
5	HARSHA S. UKEY	A
6	J. G. GAYDHANE	16
7	KOMAL P. JOKYANI	A
8	M.S. KHAIRKAR	18
9	M.N. SELOKAR	7
10	PARIDHI A. SINGH	17
11	POOJA S. TELANG	7
12	PREETI RAI	A
13	R.M. GOSWAMI	10
14	RIYA RAI	8
15	RUSHIKA V. TIKOO	A
16	S.V. RAMBHAD	12
17	SHARVARI S. NATU	7
18	S. CHADOKAR	12
19	S.R. BHONDE	13
20	S.G. DANDEKAR	13
21	S.V. UGEMUGE	12
22	V. KALOKAR .	15
23	V.S. KULKARNI	11
24	V. WADSKAR .	A
25	A.C. MESHRAM	10
26	AMAN AGRAWAL	13
27	C. D. MADHAVI	9
28	P.P. BAHARGHARE	9
29	S.S. DONGRE	15
30	SAYABAJ SHEIKH .	18
31	SHIVAM R. KAKDE	A
32	S.A.I. SHEIKH	15

*M. Panade*  
**Signature of Teacher**



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

**Bachelor of Science (B.Sc.) Semester—II Examination 2020**  
**STATISTICS**  
**Unit Test -I**  
**Semester II Paper—I**

**Time : 45 minutes]**

**Maximum Marks : 20.**

**Date: 11/02/2020**

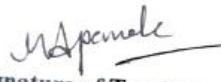
**Q1.i)** Derive mode of binomial distribution.

ii) State and prove additive property of binomial distribution.


**Q.2.** Derive p.m.f of poisson distribution and hence find mean and variance using m.g.f.

**Q.3.** Derive m.g.f of negative binomial distribution.

**Q.4.** Derive p.m.f. of geometric distribution, find its m.g.f.

  
Signature of Teacher



  
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**Bachelor of Science (B.Sc.) Semester—II Examination 2020**

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.**

**Department of STATISTICS**

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

**Session: - 2019 - 2020**

**Unit Test II**

**Name of the Teacher: - M. A. Pande**

**Date: 14/03/2020**

**Subject :- Statistics (Paper- I)**

**Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	A. S. MISHRA	17
2	A. VIJAYKUMAR	17
3	B.V. SINDHAMWAR	8
4	CHINAR KURVE	13
5	HARSHA S. UKEY	10
6	J. G. GAYDHANE	16
7	KOMAL P. JOKYANI	7
8	M.S. KHAIRKAR	18
9	M.N. SELOKAR	7
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20	S.G. DANDEKAR	13
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27	C. D. MADHAVI	9
28	P.P. BAHARGHARE	9
29	S.S. DONGRE	15
30	SAYABAJ SHEIKH .	18

31	SHIVAM R. KAKDE	9
32	S.A.I. SHEIKH	15

*M. Panale*  
Signature of Teacher



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

**Bachelor of Science (B.Sc.) Semester—II Examination 2020**  
**STATISTICS**  
**Unit Test -II**  
**Semester II Paper—I**

**Time :45 minutes]**

**Maximum Marks : 20.**


**Date: 14/03/2020**

**Q1.** Dedrive m.g.f. about origin and normal distribution and hence find mean and variance of normal distribution


**Q.2.** State p.m.f. of uniform distribution find its mean and variance.

**Q.3.** State p.d.f. of beta distribution of first kind, Find rth row moment and hence find mean of the distribution.

**Q.4.** Find m.g.f. of geometric distribution and hence find its mean and variance. State and prove additive property of this distribution.

  
**Signature of Teacher**



  
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**Head**  
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**Shivaji Science College**  
**Congress Nagar, Nashik**