


**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I(Semester-II)
Session: - 2017 - 2018
Unit Test I**

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


**Date: 24/02/2018
Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	ANKUSH D. YEDE	A
2	ASHWINI S. MALHARE	17
3	DIPTI VIVEK VAIDYA	15
4	HARSHITA . KAPSE	17
5	HEMA R. GUPTA	8
6	KETKI R. SHENDE	A
7	KHUSHI R. SHARMA	11
8	MADHURA V. DUBEY	18
9	MANSI B. DOKRIMARE	13
10	NEETU M. DHARMARI	11
11	NITISHA R. PILLEWAN	13
12	PRANJALI . MIRALWAR	17
13	RADHIKA A. TIWARI	A
14	RUCHIKA . GOLAIT	8
15	SAUJANYA . YELMULE	10
16	SNEHA S. IKHAR	16
17	SWARDA S.H KAWARE	15
18	TANUJA D. LILHARE	14
19	UNNATI J. UKINKAR	16
20	AMEYA R. MHAISURKAR	12
21	BHUSHAN G.MESHRAM	A
22	H. B. SHARANAGAT	14
23	MAYANK . RAMTEKKAR	16
24	OMKAR UMESH LONDHE	15
25	PRATIK S. MULEY	10
26	P.D. RAKHADE	19
27	SANKET R. TOPLA	19
28	S.A. DESHPANDE	A
29	SUBODH N. CHAUDHARI	16

30	YOGESH R. WAGHODE	9
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Signature of Teacher




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

Bachelor of Science (B.Sc.) Semester—II Examination 2018
STATISTICS
Unit Test -I
Semester II Paper—I

Time : 45 minutes]

Maximum Marks : 20.

Date: 24/02/2018

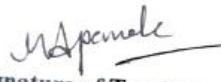
Q1.i) Derive mode of binomial distribution.

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




Head
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I(Semester-II)
Session: - 2017 - 2018
Unit Test II**

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

**Date: 6/04/2018
Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	ANKUSH D. YEDE	A
2	ASHWINI S. MALHARE	17
3	DIPTI VIVEK VAIDYA	15
4	HARSHITA . KAPSE	17
5	HEMA R. GUPTA	8
6	KETKI R. SHENDE	A
7	KHUSHI R. SHARMA	11
8	MADHURA V. DUBEY	18
9	MANSI B. DOKRIMARE	13
10	NEETU M. DHARMARI	11
11	NITISHA R. PILLEWAN	13
12	PRANJALI . MIRALWAR	17
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17	SWARDA S.H KAWARE	15
18	TANUJA D. LILHARE	14
19	UNNATI J. UKINKAR	16
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22	H. B. SHARANAGAT	14
23	MAYANK . RAMTEKKAR	16
24	OMKAR UMESH LONDHE	15
25	PRATIK S. MULEY	10
26	P.D. RAKHADE	19
27	SANKET R. TOPLE	19
28	S.A. DESHPANDE	A
29	SUBODH N. CHAUDHARI	16
30	YOGESH R. WAGHODE	9

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 2018
STATISTICS
Unit Test -II
Semester II Paper—I

Time :45 minutes]

Maximum Marks : 20.


Date: 6/04/2018

Q1. Derive 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 r th 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




Head
Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nashik