Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II(Semester-III)
Session: - 2018 - 2019
Unit Test I

Name of the Teacher: - M. A. Pande **Date: 08/08/2018**
Subject :- Statistics (Paper- I) **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. TOPLE	19
28	S.A. DESHPANDE	A
29	SUBODH N. CHAUDHARI	16
30	YOGESH R. WAGHODE	9

Signature of Teacher

SEAL

Head

Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

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

Time :45 minutes] **Maximum Marks : 20.**

Date: 08/08/2018

Q1.i) State karlpearsons correlation coefficient with diagram.

ii) Show that cov(ax,by)=abcov(x,y)

Q.2. Define i) Joint pmf and pdf ii) marginal pmf and pdf iii) conditional mean and variance iv) stochastically independent.

Q.3. Derive m.g.f of multinominal distribution.

Q.4. Derive p.d.f., m.g.f. of bivariate normal distribution find its mean and variance.

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II (Semester-III)
Session: - 2018 - 2019
Unit Test II

Name of the Teacher: - M. A. Pande **Date: 11/10/2018**
Subject :- Statistics (Paper- I) **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
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25	PRATIK S. MULEY	10
26	P.D. RAKHADE	19
27	SANKET R. TOPLE	19
28	S.A. DESHPANDE	A
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SEAL

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Shivaji Science College
Congress Nagar, Nagpur

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

Time :45 minutes] **Maximum Marks : 20**

Date: 11/10/2018

Q1. Define i) Statistics ii) Random sample iii) Sampling distribution

Q.2. Let x1,x2,…..xn be a random sample of size n from geometric distribution ,find its probability distribution.

Q.3. State the p.d.f. find mode of chi square distribution find its mean and variance.

Q.4. State and prove additive property of chi square distribution.

Signature of Teacher

Shivaji Science College, Congress Nagar SEAL

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