

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

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

**Date: 28/09/2019  
Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	A. S. MISHRA	17
2	A. VIJAYKUMAR	16
3	B.V. SINDHAMWAR	A
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
10	PARIDHI A. SINGH	17
11	POOJA S. TELANG	A
12	PREETI RAI	12
13	R.M. GOSWAMI	10
14	RIYA RAI	8
15	RUSHIKA V. TIKOO	14
16	S.V. RAMBHAD	A
17	SHARVARI S. NATU	7
18	S. CHADOKAR	12
19	S.R. BHONDE	13
20	S.G. DANDEKAR	13
21	S.V. UGEMUGE	A
22	V. KALOKAR .	15
23	V.S. KULKARNI	11
24	V. WADSKAR .	8
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	9
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—I Examination 2019**  
**STATISTICS**  
**Unit Test -I**  
**Semester I Paper—I**

**Time :45 minutes]**

**Maximum Marks : 20.**

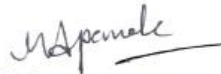
**Date: 28/09/2019**

**Q1.i)** Using Axiomatic definition of probability show that  $P(\emptyset)=0$


**Q.2.** Define i) Mutually exclusive events ii) equally likely events iii) Independent event  
iv) Exhaustive event v) Random Sample

**Q.3.** For  $n$  events  $A_1, A_2, A_3, \dots, A_n$  define pair wise independence and mutual independence

**Q.4.** Show that mutual independence implies pair wise independence but its converse is not true.

  
**Signature of Teacher**



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

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

**Date: 25/11/2019  
Batch :- M8-M9(SCSM)**

Sr.No.	Name of Students	Unit Test Marks
1	A. S. MISHRA	17
2	A. VIJAYKUMAR	10
3	B.V. SINDHAMWAR	8
4	CHINAR KURVE	A
5	HARSHA S. UKEY	10
6	J. G. GAYDHANE	16
7	KOMAL P. JOKYANI	7
8	M.S. KHAIRKAR	18
9	M.N. SELOKAR	A
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**Congress Nagar, Nagpur**

**Bachelor of Science (B.Sc.) Semester—I Examination 2019**  
**STATISTICS**  
**Unit Test -II**  
**Semester I Paper—I**

**Time :45 minutes]**

**Maximum Marks : 20.**


**Date: 25/11/2019**

**Q1.** Define mathematical random variable. State and prove its properties.


**Q.2.** Define the cumulative distribution function of a random variable.

**Q.3.** Define i) mean ii) mode iii) median iv) quartile v) Range

**Q.4** What is meant by kurtosis and skewness .

  
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