

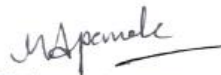
**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Department of STATISTICS  
Class :- B. Sc. I ( Semester-I)  
Session: - 2020 - 2021  
Unit Test I**

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


**Date: 26/10/2020  
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
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

  
Signature of Teacher



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


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

**Time : 45 Minutes]**


**Maximum Marks : 20.**

**Date: 26/10/2020**

1. Define following
  - a) Axiomatic approach with example
  - b) Equally likely events with example
  - c) Independent events
  - d) Classical definition of probability with limitations
2. State and prove addition law of probabilities for two events. Hence proved it for three events.
3. For two events A and B if B is subset of A then find  $P(A/B)$
4. Write a note on
  - (i) Partition of the sample (ii) Conditional Probability (iii) Independence of probability

  
Signature of Teacher



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

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

**Date: 24/11/2020**  
**Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
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
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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
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27	SHRADDHA SALVE	13
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29	SHRUSTI ZADE	11
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38	JAYESH BORKAR	9
39	MRUNAL BENDARE	A
40	OM MANGLE	7
41	PIYUSH MESHRAM	13
42	PRAJWAL ALONE	6
43	PREM HINGWE	17
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45	ROUNAK KSHIRSAGAR	A
46	VISHNU JOSHI	10

*M. P. Panale*  
Signature of Teacher



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

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


**Time : 45 Minutes]**

**Maximum Marks : 20.**


**Date: 24/11/2020**

**NOTE: All questions carry equal marks**

1. Explain the mathematical expectation of random variable. State and prove its properties
2. Define cumulative distribution function of a random variable.
3. Define the following measure of dispersion for a probability distribution with example  
(i) Quartile (ii) Mean deviation (iii) Median deviation (iv) Range
4. Define i) Standard deviation of random variable  
ii) What is meant by kurtosis and skewness. Write one difference between them

  
**Signature of Teacher**



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

