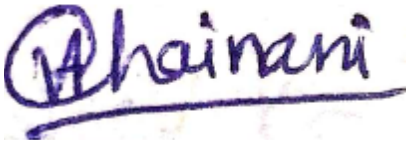
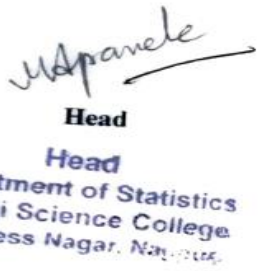
Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II (Semester-III)
Session: - 2017 - 2018
Unit Test I

Name of the Teacher: - V.Chainani **Date: 18/08/2017**
Subject :- Statistics (Paper- II) **Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	NANDINI R. JAIN	A
2	ROHINI B. POTE	11
3	SHIVANI S. AGRAWAL	A
4	NAINA B. YADAV	16
5	MANALI S. JAIN	14
6	SHRUSHTI A. KARHE	A
7	KOMAL S. BALBUDHE	A
8	POONAM D. YADAV	15
9	SWATI S.MISHRA	14
10	BHAGYASHRI D KARMENGE	17
11	ADITI P. BAGADDEO	14
12	RIYA G. ANWANE	A
13	ROSHNI R. KAMBLE	A
14	AFREEN A. BAIG	8
15	MRUNALI V. PATIL	10
16	RINKY S. GUPTA	9
17	SAKSHI H. BORKAR	A
18	SAURABH H. SHENDE	7
19	VAISHANAVI P. UMBARKAR	13
20	KUNAL A. SHEREKAR	9
21	JANVI N. RANDIVE	6
22	UTKARSHA V. HARDE	16
23	ANUJ A. DEO	A
24	ANSHUL D. JAIN	6
25	YATILESH D. MOHALE	A
26	POOJA G. HANDE	7
27	MRUDUL M. KODARLIKAR	11
28	SHUBHAM S. JAWKAR	16
29	SHIWANI S. THAKRE	A
30	PRIYA D. WALDE	14
31	POOJA S. MISAL	A
32	VRUSHALI V. KHANGAR	13





Signature of Teacher

Bachelor of Science (B.Sc.) Semester—III Examination 2017
STATISTICS
Unit Test –I
Semester III Paper—II

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

Date: 18/08/2017

NOTE: All questions carry equal marks

1. Define an "Index Number". What are the uses of index numbers? Describe briefly the problems involved in the construction of an index number of prices. Explain the different price indices generated by weighted aggregate method.

2 If L(p) and P(q) represent Laspeyre's price index number and Paasche's quantity index number respectively then, show that :

$$\frac{L_{(p)}}{L_{(q)}} = \frac{P_{(p)}}{P_{(q)}}$$

Where P (p) represents Paasche's price index number and L(q) represent Laspeyre's Quantity index number.

3. What is meant by base shifting? State its purpose. Explain splicing of index number series.

4.) Explain the concept of cost of living index number. Describe the two methods of construction of cost of living index number. Also state its 2 uses.

Shivaji Science College, Congress Nagar SEAL

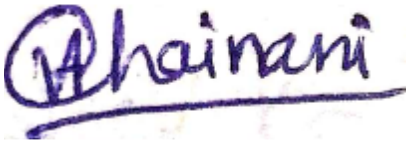
Head
Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.

Signature of Teacher

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

Name of the Teacher: - V.Chainani **Date: 13/10/2017**
Subject :- Statistics (Paper- II) **Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	NANDINI R. JAIN	A
2	ROHINI B. POTE	15
3	SHIVANI S. AGRAWAL	9
4	NAINA B. YADAV	10
5	MANALI S. JAIN	9
6	SHRUSHTI A. KARHE	A
7	KOMAL S. BALBUDHE	16
8	POONAM D. YADAV	10
9	SWATI S.MISHRA	A
10	BHAGYASHRI D KARMENGE	6
11	ADITI P. BAGADDEO	7
12	RIYA G. ANWANE	A
13	ROSHNI R. KAMBLE	14
14	AFREEN A. BAIG	7
15	MRUNALI V. PATIL	13
16	RINKY S. GUPTA	A
17	SAKSHI H. BORKAR	8
18	SAURABH H. SHENDE	A
19	VAISHANAVI P. UMBARKAR	A
20	KUNAL A. SHEREKAR	14
21	JANVI N. RANDIVE	A
22	UTKARSHA V. HARDE	17
23	ANUJ A. DEO	6
24	ANSHUL D. JAIN	16
25	YATILESH D. MOHALE	A
26	POOJA G. HANDE	A
27	MRUDUL M. KODARLIKAR	14
28	SHUBHAM S. JAWKAR	9
29	SHIWANI S. THAKRE	8
30	PRIYA D. WALDE	A
31	POOJA S. MISAL	A
32	VRUSHALI V. KHANGAR	A



Head

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

Signature of Teacher

Bachelor of Science (B.Sc.) Semester—III Examination 2017
STATISTICS
Unit Test –II
Semester III Paper—II

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

Date: 13/10/2017

NOTE: All questions carry equal marks

1. Explain income and cross elasticity of demand.

2. The Demand curve and the Supply curve of a commodity are given by, $D = 19-3p-p^2$ &

S=5p-1. Find the eqilibrium price and the quantity exchange.

3. Define economic time series. State its different components. Explain additive and multiplicative models for time series data

4.) Explain Leontief's method of estimating elasticity from time series data, stating the underlying assumptions. Also state the limitations of this method.

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