

**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: - Dr.S.S.Paliwal  
Subject :- Statistics (Paper- II)**

**Date: 24/08/2018  
Batch :- M8-M9(SCSM)**

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



**Signature of Teacher**



**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—II**

**Time : 45 min]**

**Maximum Marks : 20.**

**Date: 24/08/2018**

**NOTE: All questions carry equal marks**

1. Discuss the various steps in the construction of Index Numbers.
2. Explain the following tests to be satisfied by Index number formula:  
(i) Time Reversal Test (ii) Factor Reversal Test (iii) Circular Test.
3. Explain the uses of Cost of Living Index Number.
4. What is meant by splicing of Index Number Series? Explain backward and forward splicing.



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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: - Dr.S.S.Paliwal  
Subject :- Statistics (Paper- II)**

**Date: 12/10/2018  
Batch :- M8-M9(SCSM)**

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

*Survee*

**Signature of Teacher**



*U. S. Panale*

**Head**

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

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

**Time : 45 min]**

**Maximum Marks : 20.**

**Date: 12/10/2018**

**NOTE: All questions carry equal marks**

1. Define the Income and Cross Elasticities of Demand. Explain how to decide whether the two commodities A and B are called complementary or substitutes.
2. What are concentration curves ? Explain the Lorentz curve and derive the formula for Gini's concentration ratio.
3. What is meant by seasonal variation in time series ? Explain with an example. Describe the ratio to moving average and ratio to trend method for measurement of seasonal variation in time series.
4. Explain the residual method of measuring cyclic fluctuations in time series.



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