



AKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
BBA 3rd Semester Assignment

Programme Name-BBA-Third Semester Programme Code-BBA-10

Course Name-Business Statistics Course Code: BBA-302

Maximum Marks-40

Last Date of Submission: 15 Jan, 2012

Session: 2011-12 (Summer)

Section-A

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

Discuss the following(1-7)-

1. Different types of Ogives.
2. Absolute measures of dispersion.
3. Coefficient of Determination.
4. Measuring the cyclical effect.
5. Mean Deviation.
6. Advantages of tabulation of Data.
7. Differentiate between weighted aggregate of prices index and weighted average of price relatives index.
8. Calculate arithmetic mean for the following data:

Class Interval	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45
Frequency	6	5	15	10	5	4	3	2

Section-B

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

Q1. Differentiate between primary data and secondary data. Under what circumstances would secondary data be more useful than primary data?

Q2.a) Give examples of two variables that are positively correlated and negatively correlated? Suggest the suitable method for finding the correlation coefficient for each pair.

b) A researcher wished to determine if a person's age is related to the number of hours he or she exercises per week. The data obtained from a sample is given. State your opinion based on Karl Pearson's coefficient of correlation for the data.

Age x : 18 26 32 38 52 59

Hours y : 10 5 2 3 1.5 1

Q3.Explain briefly time reversal and factor reversal tests of index numbers. Indicate whether the following index numbers satisfy one or the other of these tests:Laspeyre's ,Paasche's, Marshall-Edgeworth's and Fisher's ideal index numbers.

Q4. What is Skewness? How would you find it in a non-symmetrical distribution? Also compute the coefficient of dispersion and Skewness of the following data-

Central Size	1	2	3	4	5	6	7	8	9	10
Frequency	2	9	11	14	20	24	20	16	5	2

