

UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)



उत्तराखंड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)

Programme Name- BBA-Third Semester

Programme Code- BBA-16

Course Name- Business Statistics

Course Code- BBA-302 Maximum Marks-30

Session - 2017-18, Summer Last Date of Submission: 31st October 2017

Session - 2017-18, Winter Last Date of Submission: 30th April 2018

Section-A

Section 'A' contains 08 short answer type questions of 4 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 (1-8) –

1. Primary data.
2. Differentiate between pie chart and pie diagram.
3. Descriptive Statistics.
4. Arithmetic Mean.
5. Correlation Analysis.
6. Regression Analysis.
7. Paasche's index.
8. Trend Analysis.

Section-B

Section 'B' contains 04 long answer-type questions of 7 marks each. Learners are required to answers 02 questions only.

1. What are the various modes of data collection? Under what circumstances would each method be more suitable as compared to other methods? Give reasons for your beliefs.
2. 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

3. Two random variables have the regression with equations:

$$3x + 2y - 26 = 0$$

$$6x + y - 31 = 0$$

Find the mean value of x as well as of y, and the correlation coefficient between x and y.

4. 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: Lespeyre's and Fisher's ideal index numbers

