

4-4-2016



DOON UNIVERSITY, DEHRADUN
Mid-Term Examination, 2016
School of Management (IMBA-5 yrs. 2nd Sem.)
Course: IMBA 204-: Business Statistics

Time Allowed: 2 Hours

Maximum Marks: 30

(Note: Attempt All Questions from Section A.)

Section A

marks= 10

1. The following table gives the frequency, according to the groups of marks obtained by 67 students in an intelligence test. Measure the degree of relationship between age and intelligence test:

Test marks	Age in years				Total
	18	19	20	21	
200-250	4	4	2	1	11
250-300	3	5	4	2	14
300-350	2	6	8	5	21
350-400	1	4	6	10	21
Total	10	19	20	18	67

Section B

marks (2.5x2) =5

2. Write short notes on (any two):

- a) Properties of mean
- b) Difference between median & Arithmetic Mean
- c) Range
- d) Mean Deviation

Section C

marks (7.5x2) = 15

(Attempt any two Questions)

3. Calculate arithmetic mean and median from the following frequency distribution:

Variable	Frequency	variable	Frequency
10-13	8	25-28	54
13-16	15	28-31	36
16-19	27	31-34	18
19-22	51	34-37	9
22-25	75	37-40	7

4. What do you understand by central tendency? Discuss the various methods of determining central tendency.

5. Calculate the mean deviation from the following data:

Class	Frequency	Class	Frequency
0-10	5	40-50	20
10-20	8	50-60	14
20-30	12	60-70	12
30-40	15	70-80	6