

University of Pune
Department of Management Sciences
MBA-BT Semester II
Mid-Sem Exams Feb 2011

202-Research Methodology and Biostatistics

Maximum Marks: 40

Time: 2Hrs

- N.B.** (1) All questions are compulsory.
 (2) All questions carry equal Marks.
 (3) Use of ordinary calculators is allowed.
 (4) Attempt any two sub questions from each question.

- Q.1.** (a) What are different types of Research?
 (b) Distinguish between Primary & Secondary methods of data collection.
 (c) Write about sampling methods-
 (i) Stratified Random
 (ii) Two Stage.

- Q.2.** (a) What are Data Scales?
 (b) Write about - (i) Fixed Sum Scale. (ii) Summated differential scale.
 (c) What are Ranking Scales?

- Q.3.** (a) Draw a More Than Cumulative frequency curve & find Median

Class	0-8	8-16	16-24	24-32	32-40	40-48
Frequency	10	15	18	7	7	3

- (b) Find the Coefficient of variation.

Class	0-5	5-10	10-15	15-25	25-30	30-35
Frequency	5	10	17	15	12	9

- (c) Why is Arithmetic Mean called as the best measure of Central tendency?

- Q. 4.** (a) Find the Rank Correlation Coefficient between two subjects.

Subject I	70	30	50	75	75	40	44	55
Subject II	85	40	34	62	60	80	35	45

- (b) Fit a regression equation of Demand as a function of price.

D	20	16	18	22	25	19
P	4	4.5	4.2	3.8	3.5	4.0

- (c) Find Pearson's Correlation Coefficient

Y	4	7	11	18	17	16	14	13
X	1	2	3	4	5	6	7	8