



DALY COLLEGE OF BUSINESS MANAGEMENT

Approved by Higher Education Govt. of (M.P) Affiliated with DAVV Indore

ATKT Assignment Business Statistics BB 306

Time: 3 Hours

(Max. Marks: 80)

Note: Attempt any four questions from Section A. Each question carries 16 marks. Section B is compulsory and carries 8 marks each.

Section A

Q1. (a) What is the importance of Statistical Analysis in modern day business? Give examples.

(b) What do you mean by probability? How is it significant in making decisions?

Q2. Calculate mean, median, mode for following data out of 140 for 80 students in class:

Marks more than: 0 20 40 60 80 100 120

No. of students: 80 76 50 28 18 9 3

Q3. From the following data calculate the Karl Pearson Coefficient

Height of father (inches): 66 68 69 72 65 59 62 67 61 71

Height of son (inches): 65 64 67 69 64 60 59 98 60 64

Q.4 In a sample of 1000 people 540 are rice eaters and the rest are wheat eaters. Can we assume that both are equally popular at 1% level of significance? Given that critical value of Z at 1% level of significance is 2.58.

Q.5 A salesman 'A' sold a product in 3 out of 5 attempts and another salesman 'B' sold product in out of 5 attempts.

Find probability that:

- (i) No sale will be affected when they both try to sell the product and
- (ii) Either of them will succeed in selling the product.

Section B

Q6. Find the coefficient of correlation between Industrial production and Export using the following data-

Production (In crore ton) — 55 56 58 59 60 60 62

Export (In crore ton) — 35 38 38 39 44 43 45

Q7. Draw Histogram and Frequency Polygon for the following data-

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	5	16	21	30	18	10