## BT2022 | QUIZ III | FEB-MAY 2021 | 20 marks

Consider the dataset on X1, X2, X3, X4 vs. Y. Fit into a multiple linear regression model as follows.

Y = B0 + B1 X1 + B2 X2^2 X1 + B3 X3 X2^2 + B4 X1 X3 X4

Obtain the parameter values B0, B1, B2, B3 and B4 (5 X 2 = 10 marks) along with their standard errors at alpha = 0.0145 (5 X 2 = 10 marks).