

3 Attempt any **two** of the following : **18**

- (a) Define Bio-statistics. How biologists make use of bio-statistical procedures ?
- (b) Write detailed note on ANOVA.
- (3) Hb% of 10 patients of a ward was recorded as 6, 8, 7, 10, 9, 12, 13, 14.5, 15 and 15.5 g/100ml. find out the standard deviation and CV.

4 Attempt any **two** of the following : **16**

- (a) Define correlation and describe methods of measuring correlation.
- (b) Explain the test for testing the significance of the difference between two sample means. State clearly assumptions involved and the application in biological sciences.
- (c) The data in table represent systolic blood pressure readings on 15 women. Using these totals compute correlations coefficient between age and blood pressure.

<i>Age</i>	42	46	42	71	80	74	70	80	85	72
<i>SBP</i>	130	115	148	100	156	162	151	156	162	158
