forms; levels of organization of tissues, organs and systems, comparative anatomy.

10. Outline classification of plants, animals and microorganism: Important criteria used for classification in each taxon; Classification of plants, animals and microorganisms; evolutionary relationship among taxa.

11. Organism of health and agricultural importance: Common parasites and pathogens of humans, domestic animals and crops.

12. Emergence of evolutionary thought: Lamarckism; Darwin-Concepts of variation, adaptation, struggle, fitness and natural selection; Mendelism; spontaneity of mutation and evolutionary synthesis.

13. Paleontology and evolutionary history: The evolutionary time scale; eras, periods and epoch; major events in the evolutionary time scale; Origin of unicellular organisms; stages in primate evolution.

14. Statistical methods: measures of central tendency and dispersal; probability distributions (Binomial, Poisson and normal), sampling distribution; difference between parametric and non-parametric statistics; confidence interval; errors; levels of significance; regression and correlation; t-test, analysis of variance; X2 test basic introduction to Multivariate statistics etc.

15. Methods in field biology: Methods of estimating population density of animals and plants, ranging patterns through direct, indirect and remote observations, sampling methods in the study of behaviour, habitat, characterization, ground and remote sensing methods.
