

# **Department of P.U.Education**

**Class: Second Year P.U.C**

**Subject: STATISTICS**

**Code: 31**

## **I Term Practical Assignment Problems**

### **Unit – 1 : Vital Statistics**

1. Collect the data regarding different age group of population and their respective number of live births occurred in your locality/ward/village/town of the year 2020. Represent the data in the tabular form, calculate Crude Birth Rate (C.B.R) and give your conclusion.
2. Collect the data regarding female population of child bearing age groups and number of live births occurred in your locality/ward/village/ town of the year 2020. Represent the data in the tabular form, calculate General Fertility Rate (G.F.R) and conclude the result.
3. Collect the data regarding different age groups of population and their respective number of deaths occurred in your locality/ward/village/ town of the year 2020. Represent the data in the tabular form, find Crude Death Rate (C.D.R) and give your conclusion.

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## **Unit – 2 : Index Numbers**

4. For the construction of Index number, select any 5 items of consumable products and obtain the price quotations of the items for the base year 2015 and current year 2021. Prepare a table and analyze the Price Index Number by:-
  - (a) Simple (Un-weighted) Aggregative Method and
  - (b) Simple Averages of Relatives Method using Arithmetic Mean (A.M), and interpret.
  
5. For the construction of Index number, select any 6 items of consumable products and obtain the price quotations of the items for the base year 2015 and current year 2021 prices. Prepare table and analyze the Price Index Number by Simple Averages of Relatives Method using:-
  - (a) Arithmetic Mean (A.M) and
  - (b) Geometric Mean (G.M) and interpret.
  
6. For the construction of cost of living Index number, select any 6 items of daily consumable products and collect respective percentage expenditure, prices of base year 2015 and current year 2021. Prepare a table and analyze the Cost of Living Index by suitable formula and interpret.

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