

**B.SC. SEMESTER IV ( Hons. & General) EXAMINATION 2023**

**ST. PAUL'S CATHEDRAL MISSION COLLEGE**

**CLASS TEST EXAMINATION**

**SUBJECT: STATISTICS GENERAL**

**PAPER: CC4/GE4**

**(Applications of Statistics)**

**FULL MARKS: –10**

**TIME:– 30MINS.**

1. Answer any 10 questions of the following:

1X10

i) The period of seasonal variations is

- i) less than 2 years    ii) more than 1 year    iii) not more than one year    iv) None of these

ii) In fitting a exponential curve the number of normal equations is

- i) two    ii) four    iii) three    iv) None of these.

iii) Irregular variations in a time series are caused by:

- i) Lockouts and strikes    ii) epidemics    iii) floods    iv) all the above

iv) Index numbers are expressed:

- i) in percentages    ii) in ratios    iii) in terms of absolute value    iv) All the above

v) The child bearing age in India is:

- i) 20-24 years    ii) 20-29 years    iii) 15-49 years    iv) 14-48 years.

vi) Fertility rates mainly depend on:

- i) Total female population    ii) total population    iii) female population of child bearing age  
iv) number of newly borned babies

vii) A value of N.R.R. =1 will result in to :

- i) increase in population    ii) decrease in population    iii) stable population    iv) none of these.

viii) The relation between NRR and GRR is:

- i) NRR and GRR are usually equal      ii) NRR can never exceed GRR
- iii) NRR is generally greater than GRR      iv) None of these.

ix) How many types of optimum allocation is in common use?

- a) one      b) two      c) four      d) three.

x) Statistic varies from sample to sample. (Write True or False).

xi) In SRSWR, the same sampling unit may be included in the sample:

- i) only once      ii) only twice      iii) more than once      iv) none of the above

xii) Edgeworth's-Marshall index number formula satisfies Factor reversal test. (Write True or False).

xiii) Stratified sampling is appropriate when population is\_\_\_\_\_.

xiv) Cost of living index is also known as \_\_\_\_\_price index.

xv) Laspeyres price index is based on base year quantities. (Write True or False).

.....THE END.....