B.Sc. Final Year Main Examination

March – April, 2022
STATISTICS
[Applied statistics]

[Max Marks: 40]   [Time: 3:00 Hrs.]   [Min Marks: 14]

Note: **All sections are compulsory student should not write anything on question paper.**
This is a dummy question paper by Kapil Kumar.

[Section – A]
This section contains **Multiple Choice Questions**. Each question carries **1 Mark**.

Q 1.   Vital Statistics mainly concerned with –
    a. Births   c.   Deaths
    b. Marriages   d.   All of the above

Q 2.   The value of $NRR < 1$ is indicative of –
    a. Increase in population   c. Reduction in population
    b. Constancy in population   d. All of the above

Q 3.   Index numbers reveal the state of –
    a. Inflation   c.   Deflation
    b. Both (a) and (b)   d. neither (a) nor (b)

Q 4.   A time series consists of –
    a. Two components   c. Three components
    b. Four components   d. four components

Q 5.   At equilibrium price –
    a. Demand = Supply   c.   Demand > Supply
    b. Demand < Supply   d.   *Demand ≠ Supply*

[Section – B]
This section contains **Short and Long Answer** type Questions. Each question carries **7 Marks**.

Q 6.   Write uses of life table.

(or)

Explain age specification death rates.

Q 7.   a. Define Crude Birth Rate   (3+4)
        b. Explain Gross Reproduction Rate.

                                    (or)
        Define total fertility rate with its merits and demerits.

Q 8.   What are the basic problems involved in construction of index numbers? Write any four.

                                    (or)
        Explain chain indices also write their construction.

Q 9.   Explain the method of moving average with merits and demerits.

                                    (or)
        What are the components of time series?

Q 10.   Explain laws of demand and supply.

                                    (or)
        Write Pareto's Law of Income Distribution.