Sample Question Paper of Operational Research

Q1. Operations Research is the outcome of

    A. National emergency
    B. Political problems
    C. Combined efforts of talents of all fields
    D. Economics and Engineering.

Q2. The objective of Operations Research is:

    A. To find new methods of solving Problems,
    B. To derive formulas
    C. Optimal utilization of existing resources
    D. To utilize the services of scientists

Q3. The cost coefficient of artificial surplus variable is

    A. 0,
    B. 1,
    C. M
    D. > than 1

Q4. If the primal has an unbounded solution, then the dual has

    A. Optimal solution,
    B. No solution,
    C. Bound solution,
    D. None of the above.

Q5. Assignment Problem is basically a

    A. Maximisation Problem,
    B. Minimisation Problem,
    C. Transportation Problem,
    D. Primal problem

Q6. The Assignment Problem is solved by

    A. Simplex method,
    B. Graphical method,
    C. Vector method,
    D. Hungarian method.

Q7. In solving 2 machines and 'n' jobs, which of the following assumptions is wrong?

A. No passing is allowed,

B. Processing times are known,

C. Handling time is negligible,

D. The time of processing depends on the order of machining.

Q8. This is not allowed in sequencing of 'n' jobs on two machines

A. Passing,

B. loading,

C. Repeating the job,

D. Once loaded on the machine it should be completed before removing from the machine

Q9. If the value of the game is zero, then the game is known as:

A. Fair strategy,

B. Pure strategy,

C. Pure game,

D. Mixed strategy

Q10. The games with saddle points are :

A. Probabilistic in nature,

B. Normative in nature,

C. Stochastic in nature,

D. Deterministic in nature