AJ-1603

P.G.D.C.A.
Term End Examination, 2021-22
SYSTEM ANALYSIS and DESIGN (Paper-VI)

Time : 3 hours]   **[Maximum Marks : 100**

Note : *Section 'A' is compulsory and answer five questions from Section 'B', selecting one question from each unit. The figure in the right hand margin indicate marks.*

Section-'A'

1. Answer in short :–   **12×2½=30**
   (i) Define the term data dictionary.
   (ii) Define requirement analysis and gathering.
   (iii) How agile approach is different from SDLC ?
   (iv) What is Physical DFD ?
   (v) In which two situations decision trees are preferable ?
   (vi) Write the name of any three fact finding techniques.
   (vii) What is SDLC ?
   (viii) Write the difference between waterfall and iterative model.
   (ix) Define perfective maintenance.
   (x) What is the need of system testing ?
   (xi) What do you mean by quality assurance ?
   (xii) Define cohesion and coupling.

Section-'B'
Unit-I

2. What is the role of system analyst ? Explain in detail.

OR

   Define system. What are the elements of a system ?

Unit-III

3. Explain system planning in detail.

OR

   Explain the following :–
   (a) Decision Tree   (b) Cost/Benefit analysis

Unit-IV

4. What do you mean by system design ? Explain the types of system design in detail.

OR

   Explain the following :–
   (a) Input form design   (b) Form control

Unit-IV

5. Explain different methods of file organization in detail.

OR

   Define program documentation. Explain the role of data processing auditor in detail.

Unit-V

6. Explain the following :–
   (a) Post implementation review.   (b) Criteria for software selection.

OR

   Explain the following :–
   (a) Financial considerations in selection. (b) Disaster/recovery planning.