AH-1603 CV-19
PGDCA
Term End Examination, 2019-20
Paper-VI
System Analysis and Design

Time: Three Hours

[Maximum Marks: 100]

[Minimum Pass Marks:40

नोटः खण्ड—A अनिवार्य है तथा खण्ड—B के प्रत्येक इकाई से एक प्रश्न का चुनते हुए पांच प्रश्नों के उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note : Section-A is compulsory and answer five question from section-B selecting one question from each Unit. The figures in the right-hand margin indicate marks.

Section-A	20

Q. 1. Answer the following:
   a. Define data dictionary
   b. Abstract systems are conceptual, they are not physical entities. (state true/False)
   c. What is a system.?
   d. What is software testing?
   e. A working model of a system is prototype, (State true/False)
   f. Object oriented analysis is not a model for analysis. (State true/False)
   g. Define database.
   h. What is decision free?
   i. What do you mean by feasibility study?
   j. What do you mean by quality assurance?
   k. What is the objective of testing?
   l. What is the role of documentation in a system?

Section-B
Unit-I   16

2. What is system development life cycle? Explain waterfall model in detail.

OR

3. Explain the elements and types of a system in detail.

Unit-II   16

4. Explain system planning in detail.

OR

5. What is structured analysis? Explain the tools of structured analysis in detail.

Unit-III   16

6. Explain the basics of form design.

OR

7. Explain system design phase in detail.

Unit-IV   16

8. Define testing. Explain the need of system testing.

OR

9. Explain the major trends in testing.

Unit-V   16

10. Explain software maintenance in detail.

OR

11. What are the procedures for selecting hardware/software in a system?