

Question Paper Code : 3022

B.A./B.Sc. (Part-II) Examination, 2017

(New Syllabus)

COMPUTER APPLICATION

[First Paper]

(System Analysis & Development)

Time : Three Hours]

[Maximum Marks : 50

Note : Answer **five** questions in all. Question **No. 1** is **compulsory**. Besides this, attempt **one** question from each of the four units.

1. (a) Define an Information System. [2]
- (b) Differentiate between Process and Product.[2]
- (c) Explain the four types of maintenance activity in brief. [2]
- (d) Differentiate between open and closed systems. [2]
- (e) What is the need of Investigation in system planning ? [2]

S-547/600

(1)

[P.T.O.]

- (f) List out the various tools of information gathering. [2]
- (g) Enlist the characteristics of a good design. [2]
- (h) Can a system be 100% tested? Explain. [2]
- (i) Discuss the various types of threats to system security. [2]
- (j) Discuss any two recovery techniques used popularly. [2]

UNIT - I

- 2. (a) Discuss in detail the characteristics of a system. [4½]
- (b) Explain various types of feasibility study. [3]
- 3. (a) Elaborate the role of a system analyst in software development. [4]
- (b) List out the various stages of SDLC using any system model. [3½]

S-547/600

(2)

UNIT - II

- 4. (a) Explain the role of system planning and investigation in SDLC. [4]
- (b) Discuss the working of Decision Table and Decision Tree using a common example. [3½]
- 5. Write notes on : [7½]
 - (a) GANTT chart
 - (b) Brain-storming
 - (c) DFD

UNIT - III

- 6. Differentiate between Logical and Physical Design of a system. Discuss various types of design methodologies. [7½]
- 7. What is Testing? Give an elaborate classification of testing with examples. [7½]

S-547/600

(3)

[P.T.O.]

UNIT - IV

8. Explain the importance of Ethics codes and standard of behaviour in system development. [7½]
9. Differentiate between : [7½]
- (a) Disaster and Recovery
 - (b) Verification and Validation
 - (c) Alpha testing and Beta testing

--- X ---