

B.C.A. (2010 Course Sem- IV : SUMMER - 2019

SUBJECT: SOFTWARE ENGINEERING

Day : Tuesday
Date : 16/04/2019

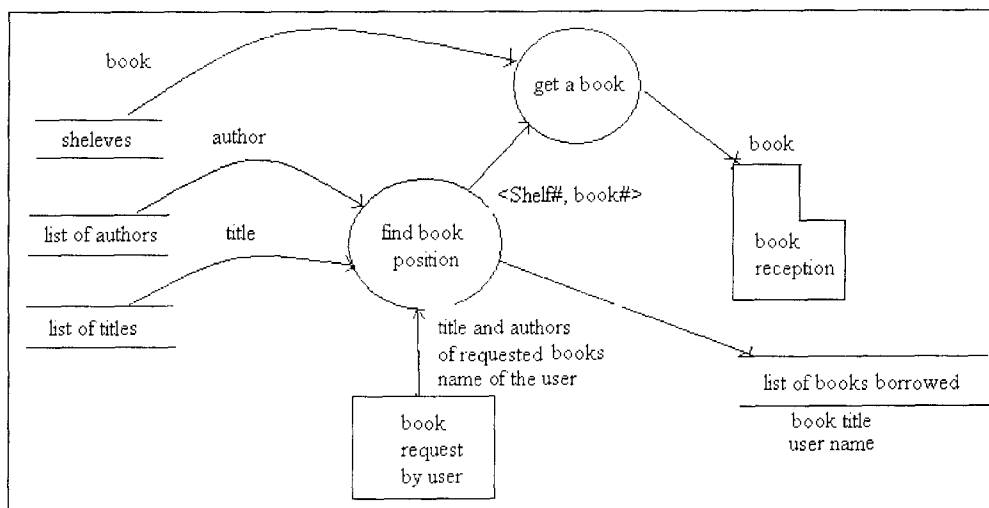
Time: 10.00 AM TO 01.00 PM
Max. Marks: 70.

S-2019-2098

N.B.:

- 1) Q.1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from **Q.2 to Q.7**.
- 3) Figures to the **RIGHT** indicate full marks.

- Q.1** Define Software Engineering. What are the principles of Software Engineering? [14]
- Q.2** What is Software Requirement Specification? Explain in detail the uses of specification [14]
- Q.3** Describe widely applied notations for giving specification of DFD and Finite State Machine [14]
- Q.4** What is software development? Who are the team members involved in software development? Explain their role in short [14]
- Q.5** Write Short Note on (ANY TWO) [14]
- a) Black Box Testing
 - b) Waterfall Model
 - c) RAD Model
- Q.6** Imagine that you are the software developer in developing software 'University Examination System'. Draw various GUI Design by following golden rules, so that system will work effectively. [14]
- Q.7** Describe the DFD & Give an ER Diagram complementing the following DFD. [14]



* * * *