

Roll No.....

Total No. of Questions : 05

Total No. of Printed Pages : 02

Code No. : B-425(A)

Annual Examination - 2017

BCA-III

SOFTWARE ENGINEERING

Time : 3 Hrs.

Max.Marks : 100

Note : Answer any two parts of each unit. All question carry equal marks.

Unit-I

- Q-1. Define software engineering and also explain spiral model with suitable diagram. (10)
- Q-2. Explain software engineering approaches in detail. (10)
- Q-3. What are various problems in software engineering? How to solve these. (10)

Unit-II

- Q-1. What are various size oriented and function oriented matrices used in project management? (10)
- Q-2. What is software matrices? How is it helpful in project management. (10)
- Q-3. Explain project management techniques and list out its various phases. (10)

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Unit-III

- Q-1. What is DFD? Draw DFD for library management system which is divided into four parts. (10)
(a) Book Detail (b) Issue Detail
(c) Returer Detail (d) Student Detail
- Q-2. What is SRS? Give various characteristics of SRS along with needs of SRS. (10)
- Q-3. Explain software requirement and draw the structure of requirement document. (10)

Unit-IV

- Q-1. "A software module should have low degree of coupling and high degree of cohesion" Justify. (10)
- Q-2. List and explain do's and douts for good coding style and also its advantages. (10)
- Q-3. Explain verification and validation and why is it necessary. (10)

Unit-V

- Q-1. What are various objective of software testing? Write along with its principle. (10)
- Q-2. What is white box and black box testing along with its advantages and disadvantages? (10)
- Q-3. Explain various software maintainence practices that may appear in software product. (10)

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