

535924

No. of Printed Pages : 3

CS-70

**BACHELOR OF COMPUTER
APPLICATIONS (PRE-REVISED)
(BCA)**

Term-End Examination

December, 2019

**CS-70 : INTRODUCTION TO SOFTWARE
ENGINEERING**

Time : 3 Hours

Maximum Marks : 75

Note : Q. No. 1 is compulsory. Answer any three questions from the rest.

1. (a) Explain the term "quality of software."
Consider any software for "photo editing"
and give *three* factors which can affect the

- quality of this software. Justify your answer. 10
- (b) Explain the key process associated with the five levels of Capability Maturity Model (CMM). 10
- (c) Describe briefly *five* tools used for project management. 10
2. (a) Describe the concepts of Coupling, Cohesion and Abstraction in the context of software modules. 8
- (b) List and describe the features of LINC, a 4GL. 7
3. (a) With the help of an example case study/application, explain the iterative enhancement model. 8

- (b) Define software reliability. Discuss, how the software reliability factor can be measured and estimated. 7
4. (a) Write brief notes about the following CASE tools along with their purpose of use : 8
- (i) Turbo Analyst
- (ii) DEFT Case tool
- (b) Define feasibility study. Why is it important for systems design ? How does cost-benefit analysis contribute to it ? 7
5. Write short notes on any *three* of the following : 3×5=15
- (a) LOC based estimation
- (b) Data Dictionary
- (c) Waterfall Model
- (d) Software Crisis