Bachelor of Computer Application (B.C.A.) Semester–V (C.B.S.) Examination
SOFTWARE ENGINEERING-II
Paper–4

Time : Three Hours] [Maximum Marks : 50

N.B. :— (i) All questions are compulsory and carry equal marks.
(ii) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) What is software architecture ? Give its importance. 5
(B) Explain data design at component level. 5

OR

(C) Give architectural pattern and style used in design. 5
(D) Explain in context architecture design and representing system. 5

EITHER

2. (A) Explain the working of Black box testing. 5
(B) Explain flow graph notation. 5

OR

(C) Explain working of white box testing. 5
(D) Explain art of debugging in detail with its psychological parameters. 5

EITHER

3. (A) What is software quality ? Give its factors. 5
(B) Explain metrics for software quality. 5

OR

(C) Explain software measurement principles of product metrics. 5
(D) Explain metrics for analysis model. 5

EITHER

4. (A) Differentiate between reactive and proactive risk strategies. 5
(B) Explain the following :
(1) Risk Identification
(2) Risk Projection. 5

OR

(C) What are ISO 9000 quality standards ? 5
(D) Explain software quality assurance in Quality Management. 5

5. Attempt **ALL** :
(A) Explain Dater- Centered Architecture. 2½
(B) Explain validation testing in detail. 2½
(C) Explain metrics for maintenance in product metrics. 2½
(D) Explain Risk Retirement in Risk Management. 2½