DB-3280
Third Year B. Sc. (Computer Science)
(Sem-VI) Examination
March / April - 2016
Software Quality Assurance : Paper - 607-II
(Generic Elective (IDS))

Time : 3 Hours] [Total Marks : 70

Instruction :

(1) Figures to the right indicates full marks of the questions.
(3) Draw neat and labeled diagrams wherever necessary.

1 Answer in Short: [Any seven]

(1) Define "Software Quality Assurance".
(2) What is Software Review?
(3) What are the components of the cost of quality?
(4) What is software measurement?
(5) Define term Integrity.
(6) Difference between direct & indirect measurement.
(7) What is Formal review?
(8) What is CMM?

2 (a) Write a note on Software Reviews. 7
(b) Write a note on Statistical Quality Assurance. 7

OR

DB-3280] [Contd...
(a) Explain Requirement, Design & Code Review. 7
(b) Explain role of an SQA group. 7

3
(a) Write a note on defect identification & removal. 7
(b) Write a note on Quality control. 7

OR
(a) Explain McCall's Quality Factors. 7
(b) Write a note on cost of Quality. 7

4
(a) Explain Metrics for Maintenance. 7
(b) Write a note on Bang Metric. 7

OR
(a) Explain function based Metrics. 7
(b) How do we measure the effectiveness of software process? 7

5
(a) How should we use metrics during the project itself? 7
(b) Explain The ISO 9000 and IS09001 Standard. 7

OR
(a) Explain attributes of effective software Metrics. 7
(b) Discuss merits and demerits of ISO 9001 and SEI CMM certification.