AD-3280
Third Year B. Sc. (Computer Science) (Sem. VI)
Examination
March/April – 2015
Generic Elective (IDS) - 607 - II
(Softwer Quality Assurance)

Time : 3 Hours] [Total Marks : 70
Instructions :
(1) Fillup strictly the details of signs on your answer book.
Name of the Examination :
THIRD YEAR B. SC. (COMPUTER SCIENCE) (SEM. VI)
Name of the Subject :
GENERIC ELECTIVE (IDS) - 607 - II
Subject Code No. : 3 2 8 0
Section No. (1, 2,.....) Nil

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

1 Answer in Short: (Any seven) 14
(1) What is Software Quality assurance?
(2) What is Software quality control?
(3) Define software quality factors " Efficiency & Integrity".
(4) What is Informal Review?
(5) Difference between direct & indirect measurement.
(6) What is inspection?
(7) What is Software Reliability?
(8) What is CMM?

2 (a) Explain role of an SQA group. 7
(b) What steps are required to perform statistical SQA? 7

OR

2 (a) Explain activities perform under SQA. 7
(b) Write a note on formal Technical review. 07

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3  (a) Write a note on cost of Quality.  
(b) Write a note on defect identification & removal.

OR

3  (a) Write a note on McCall's Quality Factors 
(b) Explain Measurement Process activities.

4  (a) Explain function based Metrics.  
(b) Write a note on Bang Metric.

OR

4  (a) How do we measure the effectiveness of software process?  
(b) Explain Metrics for Source code.

5  (a) Discuss merits and demerits of ISO 9001 and SEI 
     CMM certification.  
(b) Write note on project Metrics.

OR

5  (a) Explain The ISO 9000 and ISO9001 Standard. 
(b) Explain attributes of effective software Metrics.