



**AD-3280**

**Third Year B. Sc. (Computer Science) (Sem. VI)  
Examination**

**March/April – 2015**

**Generic Elective (IDS) - 607 - II  
(Software Quality Assurance)**

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="THIRD YEAR B. SC. (COMPUTER SCIENCE) (SEM. VI)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="GENERIC ELECTIVE (IDS) - 607 - II"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="0"/>	Section No. (1, 2,.....): <input type="text" value="Nil"/>
Student's Signature	

(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

- 3 (a) Write a note on cost of Quality. 7  
(b) Write a note on defect identification & removal. 7
- OR**
- 3 (a) Write a note on McCall's Quality Factors 7  
b) Explain Measurement Process activities. 7
- 4 (a) Explain function based Metrics. 7  
(b) Write a note on Bang Metric. 7
- OR**
- 4 (a) How do we measure the effectiveness of software process? 7  
(b) Explain Metrics for Source code. 7
- 5 (a) Discuss merits and demerits of ISO 9001 and SEI 7  
CMM certification.  
(b) Write note on project Metrics. 7
- OR**
- 5 (a) Explain The ISO 9000 and ISO9001 Standard. 7  
(b) Explain attributes of effective software Metrics. 7
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