



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)

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| <p>नीचे दृशवित्त निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : Third Year B. Sc. (Computer Science) (Sem-VI)</p> <p>Name of the Subject : Software Quality Assurance : Paper - 607-II</p> <p>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"/></p> | <p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div> |
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- (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) 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

- (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. 7
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