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*3904*
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Software Metrics & Quality Assurance
(New) (1300)

P. Pages : 2

Time : Three Hours   Max. Marks : 100

Instructions to Candidates :
1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** sub questions from each unit.

UNIT - I

1. a) What is Representational theory of measurement ? Explain in detail.   **10**

    b) What is measurement scale ? Explain any two measurement scales in detail.   **10**

    c) What is scope of software metrics ? Explain in detail.   **10**

UNIT - II

2. a) What is function point ? Explain Albrecht's function point approach in detail.   **10**

    b) Which are the structural measures ? Explain control flow structure in detail.   **10**

    c) Explain ISO 9126 standard quality model.   **10**

UNIT - III

3. a) Which are the current cost estimation approaches ? Explain in detail.   **10**

    b) Explain parametric Reliability growth models.   **10**

    c) How to deal with the problems of current cost estimation methods ?   **10**

UNIT - IV

4. a) Which are the software quality Assurance techniques ? Explain in detail.　　　**10**

　　b) What is need of documentation ? What are the essential components of documentation.　　　**10**

　　c) Explain walk through process in detail.　　　**10**

UNIT - V

5. a) Explain cleanroom approach in detail.　　　**10**

　　b) What is software reengineering ? Explain in detail.　　　**10**

　　c) Explain BPR model in detail.　　　**10**

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