

M. SC. (Computer Science) SEM – II (Choice Based Credit & Grade System) : SUMMER - 2019
SUBJECT: SOFTWARE ARCHITECTURE

Day : Tuesday
Date : 09/04/2019

S-2019-1248

Time: 03.00 PM TO 06.00 PM
Max. Marks: 60.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
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Q.1 What is conceptual view? Describe various design activities of conceptual architecture view. (15)

OR

Describe the concept and need of software architecture. Explain the relation of software architecture to other development tasks.

Q.2 A) Answer any **ONE** of the following: (08)

- i) Explain in brief safety vision, healthy vision, central vision and comm vision.
- ii) Describe the central design task of execution architecture view.

B) Answer any **ONE** of the following: (07)

- i) Explain analyze factors activity of organizational factor with its factor table.
- ii) Describe central vision hardware configuration of UPS in brief.

Q.3 Answer any **THREE** of the following: (15)

- a) What are the uses for the module architecture view and explain the concept of traceability with respect to module architecture view.
- b) What is code view? Explain global analysis activity of code view.
- c) Explain the concept of modules with neat diagram.
- d) Explain in brief 'The architect makes decisions.'
- e) Explain the meta-model of healthy vision entities for conceptual architecture view.

Q.4 Write short notes on any **THREE** of the following: (15)

- a) Issue card
- b) The architect coaches
- c) Global analysis
- d) Intermediate and deployment components
- e) Future of IS2000.

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