

**M. SC. (COMPUTER SCIENCE) SEM – II (CHOICE BASED
CREDIT & GRADE SYSTEM) : SUMMER - 2018
SUBJECT : SOFTWARE ARCHITECTURE**

Day : **Wednesday**
Date : **11/04/2018**

S-2018-0922

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 Describe software architecture as a design plan. Also discuss various software architecture terminologies. **(15)**

OR

Explain various design activities for the code architecture view.

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

- i) Elaborate the role of architect as a key technical consultant.
- ii) What is global analysis? Explain different activities carried out for global analysis.

Q.2 B) Answer any **ONE**: **(07)**

- i) Describe execution architecture view in brief.
- ii) Discuss the best practices in software architecture.

Q.3 Answer any **THREE**: **(15)**

- a) Explain the activities coordinated by an architect.
- b) Elaborate summary of execution view and traceability.
- c) Explain design activities of module architecture view.
- d) Discuss role of software requirements in the design of software architecture.
- e) Why software architecture is needed?

Q.4 Write short notes on **ANY THREE**: **(15)**

- a) Architect coaches
- b) Uses of module view architecture
- c) Future of IS 2000
- d) Design issues of conceptual view
- e) Key features of product

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