

**M. SC. (COMPUTER SCIENCE) SEM – II (CHOICE BASED  
CREDIT & GRADE SYSTEM) : WINTER- 2017  
SUBJECT : SOFTWARE ARCHITECTURE**

Day : Monday  
Date : 23/10/2017

**W-2017-0822**

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.
- 

**Q.1** Describe software architecture as a design plan. Also explain software architecture as an abstraction. **(15)**

**OR**

Elaborate the role of software architect with respect to coaching, coordinating and implementation of software architecture.

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

- i) Which factors are analyzed during global analysis? Discuss different product factors.
- ii) Explain design of conceptual view for IS 2000.

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

- i) What are the issues related to code architecture view? Explain.
- ii) Describe view and traceability of code architecture.

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

- a) What are the uses of conceptual architecture view?
- b) Why module architecture is necessary?
- c) Which design issues play important role in execution architecture view?
- d) Draw and explain design of module view for IS 2000.
- e) Discuss various technological factors related to an organization.

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

- a) Software requirements
- b) Global analysis summary
- c) Future of IS 2000
- d) Creating vision
- e) Best practices in software architecture

\* \* \*