

**M. TECH.-I (INFORMATION TECHNOLOGY) (CBCS – 2015
COURSE) : WINTER - 2017**

SUBJECT: SOFTWARE ARCHITECTURE

Day : **Monday**

Time : **11.00 AM TO 02.00 PM**

Date : **15/01/2018**

W-2017-2784

Max Marks : **60**

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data, if necessary.
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Q.1 Explain software architecture requirement. **(10)**

OR

Q.1 List the types of architecture and explain any one in detail. **(10)**

Q.2 Describe dependency in design process with example. **(10)**

OR

Q.2 Explain term resources and scalability in design process. **(10)**

Q.3 Explain principal and expectations of design patterns. **(10)**

OR

Q.3 Describe design pattern singleton with its advantages and disadvantages. **(10)**

Q.4 Explain various application servers with its advantages and disadvantages. **(10)**

OR

Q.4 List the types of middleware and explain any one in detail. **(10)**

Q.5 Explain multi-tier architecture with suitable example. **(10)**

OR

Q.5 Explain DOM with suitable example. **(10)**

Q.6 Describe server side technology JSP with suitable example. **(10)**

OR

Q.6 Describe server side technology MVC with suitable example. **(10)**

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