MASTER OF SCIENCE (COMPUTER SCIENCE) (CBCS-2018 COURSE) WINTER 2019
M.Sc. (Computer Science) Sem-III : WINTER :- 2021
SUBJECT: SOFTWARE ARCHITECTURE

Day : Friday
Date 28-01-2022 **W-20058-2021**
Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.
1) All Question are **COMPULSORY.**
2) Figures to the right indicate **FULL** marks.

Q.1 Explain the concept of global analysis in detail. Also analyze organizational technological and product factors. **(15)**

OR

Elaborate various design activities for execution architecture view.

Q.2 **A)** Attempt **ANY ONE** of the following : **(08)**
i) Explain the role of software architect for creating vision and as a key technical consultant.

ii) Describe various architectural activities in detail.

B) Attempt **ANY ONE** of the following : **(07)**
i) Describe the central vision hardware configuration for uninterrupted power supply.
ii) Discuss the best practices in software architecture.

Q.3 Attempt **ANY THREE** of the following : **(15)**
a) Describe the factor table with reference to global analysis.

b) Why software architecture is needed?

c) Write in brief about image processing component with respect to conceptual view.

d) What is packetizer? Explain in detail.

e) Explain the role of software requirements in design of software architecture.

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

a) Prepositional architecture style

b) Software architecture as a career

c) Uses of code architecture view

d) Layered systems

e) Features of IS 2000

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