

**M. Tech. –IV (Computer Engineering) (CBCS – 2015 Course) :
SUMMER - 2019**

SUBJECT: SELF- STUDY PAPER – II: MIDDLEWARE TECHNOLOGIES

Day : Thursday
Date : 13/06/2019

S-2019-3467

Time : 11.00 AM TO 02.00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** Answer book.

SECTION – I

Q.1 What is the difference between communication and service specific middleware? **(10)**

OR

Explain different client server building blocks.

Q.2 How to build and deploy EJBs? **(10)**

OR

With example explain view of EJB conversation.

Q.3 Explain the following: **i) EJB** session beans **ii) EJB** entity beans. **(10)**

OR

What is CORBA interface repository?

SECTION – II

Q.4 Explain different COM threading models. **(10)**

OR

What is custom and standard marshalling?

Q.5 Explain business value of SOA with example. **(10)**

OR

What are different SOA enterprise software models?

Q.6 Explain WSDL and SOAP in detail. **(10)**

OR

Explain and compare any two middleware tools

* * *