

M. Tech.-III (Information Technology) (CBCS – 2015 Course) :

WINTER - 2018

SUBJECT: SELF STUDY PAPER-I: f) EMBEDDED SYSTEM AND APPLICATIONS

Day: Saturday
Date: 08/12/2018

W-2018-3240

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

N.B.:

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

Q.1 What is embedded system? Explain the characteristics of embedded system? (10)

OR

Explain the different types of embedded system?

Q.2 Explain JVR system and GPS system in detail. (10)

OR

Discuss embedded system challenges in detail.

Q.3 Draw and discuss simple round robin architecture. (10)

OR

Draw and explain implementation of digital multimeter.

SECTION-II

Q.4 Discuss the different between Hardware and Software embedded system with any example. (10)

OR

Why to use embedded system? What are the components of embedded system?

Q.5 Write difference between testing and verification in software embedded system. (10)

OR

What is the action plan to follow while designing an embedded system? Explain in detail.

Q.6 What is a target system? How does the target system is different from the final embedded system? (10)

OR

What are the compiler, linker, loader and interpreter? Why to use in embedded system?

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