Exam. Code : 208601
Subject Code : 5220

M.Sc. IT 1ˢᵗ Semester

MIT-101 : ANALYSIS & DESIGN OF EMBEDDED SYSTEMS

Time Allowed—3 Hours] [Maximum Marks—100

Note :— Attempt any *five* questions. All questions carry equal marks.

1. What are the various types of processors and micro-controllers ? Explain.

2. What are the important features of embedded system ? Cite drawbacks also.

3. What are the different challenges and issues that occur in the embedded software development ?

4. Differentiate between PIC, AVR and Micro-controllers with pros and cons.

5. What is OS ? What are the various classifications of Operating System ?

6. How can you co-design the embedded system ? How hardware and software helps in embedded system for best performance ?

2321(2117)/BSS-23986   1   (Contd.)

7. What are the various development tools used for a good embedded system ?

8. Write notes on the following :

    (a) DSP

    (b) Boot loader

    (c) Kernel Architecture of Embedded System

    (d) Evolution of embedded system.