

**Bharati Vidyapeeth's College of Engineering for Women,
Pune-43**

Department of Information Technology

Semester-I (2011-2012)

Unit Test-II

Class:-SE IT

Max Marks: 50

Subject:-Computer Organization

Duration: 1.5 Hours

- Q1. Compare restoring and non-restoring division algorithms. 6
- Q2. Perform the following division using restoring and non-restoring division algorithms.
Dividend = 1100
Divisor = 0011 10
- Q3. Explain any four addressing modes along with one example each. 8
- Q4. Draw the neat diagram of single bus organization of the CPU showing ALU, all types of registers and the data paths among them. 8
- Q5. Draw microprogrammed control unit. 6
- Q6. Compare hardwired control unit and microprogrammed control unit. 6
- Q7. Compare SRAM and DRAM 6

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Unit Test I (Sem I) 2011-12

Subject:FDS

Class: SE-IT

Marks: 30

Duration: 1 Hour

All questions are compulsory

1. Explain while & do_while loop in C with example
(8M)
2. Explain enumerated data type with example
(8 M)
3. What is the purpose for using function in C? Explain function with suitable example
(8 M)
4. Write a short note (any two)
 1. Structure
 2. Array
 3. Operators in C
(8M)

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Class: S.E.

Duration: 1hr

Subject: HSS

Marks: 30M

- Q1. Explain water pollution. 4M
- Q2. Explain in detail factors of unity in diversity. 8M
- Q3. Write a short note on any two 12M
- a. Green house effect.
 - b. Global Warming.
 - c. Acid Rain.
- Q4. Explain Darwin's theory of evolution. Define the term Neo-Darwinism. 6M

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Unit Test I (Sem II) 2010-11

Subject: Processor Architecture Interfacing

Class: SE IT

Marks: 30

Duration: 1 Hour

Q.1. Draw the timing diagram of non-pipelined read cycle followed by pipelined, write Cycle and Explain. [15]

OR

Q.2. (a) Explain control register set of 80386 with their formats. [10]

(b) Give difference between 8086 and 80386. [5]

Q.3. (a) How to generate .asm, .obj, .lst and .exe? Give its significance. [10]

(b) Draw Interfacing diagram of 8086 with 8255 and explain. [5]

OR

Q.4. (a) Draw block diagram of 8255 and explain. [10]

(b) Explain the directives EXTRN and PUBLIC. [5]