

Or

Explain Mini and Micro Computer with its application.

2. Draw block diagram of computer system and explain central processing unit.

Or

What is Memory and differentiate between RAM and ROM?

3. What is Number System and explain any two with examples?

Or

Describe any **four** of the following :

- (i) Bit
- (ii) Nibble
- (iii) BCD
- (iv) Byte
- (v) ASCII code
- (vi) EBCDIC code

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**Diploma in Engg. (Second Semester) Examination,  
May-June 2015**

(Chem., Civil, Elect., Et & T. Inst., Mech., Mett.,  
Mining, Printing Tech. Branch)

**COMPUTER FUNDAMENTALS & its APPLICATION**

*Time Allowed : Three hours*

*Maximum Marks : 100*

*Minimum Pass Marks : 35*

*Note : All questions are compulsory. All questions  
carry equal marks.*

1. What is a Computer and explain Hardware, Software, Firmware with example?

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4. Solve any **two** of the following :

(a) Add binary numbers 10011 and 1001 in both decimal and binary forms.

(b) Explain Binary Subtraction with example.

(c) Solve any **two** of the following :

(i)  $(1AC)_{16} = ( ? )_{10}$

(ii)  $(42)_{10} = ( ? )_2$

(iii)  $(101110)_2 = ( ? )_{10}$

5. (a) What is the difference between Compiler and Interpreter?

**Or**

What is a Machine Language? Why it is required?

(b) Compare system software and application software with example.

**Or**

Write short notes :

(any **two**)

(i) Operating System

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(ii) Computer Hardware

(iii) Loader

6. (a) Write down difference between Internal and External DOS commands.

**Or**

Explain the following MS DOS commands :

(any **two**)

(i) CD

(ii) DEL

(iii) EDIT

(b) Write down any five internal DOS command with syntax.

**Or**

Write short notes :

(any **two**)

(i) BIOS

(ii) COMMAND.COM

(iii) CONFIG.SYS

7. What is File? Explain any five operations in a file.

Or

Write short notes :

(any two)

- (i) Notepad
- (ii) Wordpad
- (iii) Paint

8. What is Word-Processing? Write key features supported by Word-Processing.

Or

What is Power Point? Explain the steps of preparing presenting in MS-Power Point.

9. What is Internet and explain different services of Internet?

Or

Write short notes :

(any two)

- (i) FTP
- (ii) Video conferencing
- (iii) E-mail

10. What is Internet Account? Explain different internet accounts.

Or

Explain Internet Service Provider and Modem.