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Roll No. ....

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000312(22)

**Diploma in Engg. (Second Semester) Examination,  
Nov.-Dec. 2015**

(Old Course)

(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. Solve any two  
part from each question. All questions carry  
equal marks.*

1. (a) Explain different generations of computer. 10

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(b) Explain structure and working of micro computer. 10

(c) Write short notes on :

(i) Hardware 5

(ii) Software 5

2. (a) Solve the following questions : 10

(i)  $(424)_{10} = ( ? )_2$

(ii)  $(101010111)_2 = ( ? )_{16}$

(iii)  $(320)_{16} = ( ? )_8$

(iv)  $(ABCD)_{16} = ( ? )_{10}$

(v)  $(726)_8 = ( ? )_{10}$

(b) Explain 1's complement and 2's complement method  
of subtraction with example. 10

(c) Write short notes on :

(i) ASCII Code 5

(ii) BCD Code 5

3. (a) What is system software? Explain about the Compiler  
and Assembler. 10

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- (b) Explain about high level language and low level language. 10
- (c) Explain about window with its features, also explain how to perform search, copy delete and rename folders. 10
4. (a) Explain the following commands : 10
- (i) md
  - (ii) cd
  - (iii) rd
  - (iv) vol
  - (v) copy ..
- (b) Explain about the file system available in DOS. 10
- (c) Explain how to make presentation in power point. 10
5. (a) Write short notes on : 5
- (i) www 5
  - (ii) e-mail
- (b) What is ISP? Explain about it. 10

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- (c) Explain about the hardware required for internet connection. 10