# Y–1307

## P. G. Diploma in Computer Application
### (First Semester)
### EXAMINATION, Dec., 2014
(New Course)

INTRODUCTION TO SOFTWARE ORGANIZATION

(PGDCA–101)

*Time : Three Hours* ]                    [ *Maximum Marks : 100*

**Note :** Attempt any *two* parts from each Unit. All parts carry equal marks.

### Unit—I

1. (a) Explain strength and limitation of computer. Explain generations and types of computers.

   (b) What is processor, input device and output device ? Explain in detail.

   (c) Write short notes on the following :

   (i) Architecture of Pentium IV

   (ii) Microcomputer, mainframe computer

### Unit—II

2. (a) Explain Compiler, Interpreter and Assembler. What is a free domain software and open source software ?

P. T. O.

(b) Explain what do you understand by operating system and its function ? What is booting process and its types ?

(c) Write short notes on the following :

    (i) Linker and loader

    (ii) Integrated development environment

    (iii) Linux

### Unit—III

3. (a) Explain various types of storage device. What do you understand by primary and secondary storage ?

(b) What do you understand by control unit, register, instruction set, processor speed.

(c) What is SIMM and DIMM ? Explain their difference also.

### Unit—IV

4. (a) What is a programming language ? Explain generation of language.

(b) Write short notes on the following :

    (i) Objective oriented programming

    (ii) Functional programming

    (iii) Process oriented programming

    (iv) Structured programming

(c) Explain difference between bridges, routers, hub and gateways according to their working and uses.

### Unit—V

5. (a) Explain communication process and protocols.

(b) Explain what do you understand by network and its types. What is a network protocol ?

(c) Write short notes on the following :

    (i) FTP

    (ii) ISP

    (iii) NIC

    (iv) e-Mail

# Y–1308

## P. G. Diploma in Computer Application
## (First Semester) EXAMINATION, Dec., 2014

### (New Course)
### PROGRAMMING IN 'C'
### (PGDCA—102)

*Time : Three Hours* ]       [ *Maximum Marks : 100*

**Note :** Attempt any *two* parts from each question. All questions carry equal marks.

1. (a) Explain Identifier with suitable example.

 (b) Explain data type inc.

 (c) Explain increment, decrement and size of operator with suitable example.

2. (a) Write a program in C to print word "UNIVERSITY" 100 times using do-while loop.

 (b) Explain break and continue statement with suitable example.

 (c) Write a program in 'C' to print first terms of the following series :

 $$0, 1, 1, 2, 3, 5, 8, \ldots\ldots, n$$

3. (a) Explain recursion with example.

(b) Write advantages and disadvantages of array in 'C' language.

(c) Write a program in C to arrange elements of one-dimensional array in ascending order.

4. (a) Explain pass by address with suitable example.

(b) Explain array of pointers with example.

(c) Write a short note on pointers and strings.

5. (a) Explain array of structure with suitable example.

(b) Explain the structure initialisation with suitable example.

(c) Write the utility of union.

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# Y–1309

## P. G. Diploma in Computer Application
### (First Semester)
## EXAMINATION, Dec., 2014
### (New Course)
### OFFICE AUTOMATION AND TALLY
### (PGDCA–103)

*Time : Three Hours* ]          [ *Maximum Marks : 100*

**Note :** Attempt any *two* question from each Unit. All question carry equal marks.

### Unit—I

1. (a) What do you mean by object linking and embedding ? Explain with example.          10

   (b) Explain the features and concept of Window with Accessories.          10

   (c) Explain Dialup Networking and Phone Dialer.  10

### Unit—II

2. (a) What is Mail Merge ? Explain procedure of Mail Merge in MS-Word.          10

   (b) What is Cell Refrencing ? Explain Absolute and Relative addressing.          10

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(c) What are the Macros ? What is the difference
between function and macros ? 10

### Unit—III

3. (a) How can you apply animation in power point ?
Write steps for preparing presentation. 10

(b) What do you mean by database ? How can you
access or retrieve records in database ? 10

(c) Explain looping and branching in FoxPro with
example. 10

### Unit—IV

4. (a) What are the characteristics of a Table and
Form ? 10

(b) What is Report ? How can you create Report in
MS-Access ? 10

(c) Explain Window control and Data control in MS-
Access. 10

### Unit—V

5. (a) Explain different mode/format of Account in
Tally. 10

(b) Explain the steps of alterations and deletions of
ledger in Tally. What is ledger ? 10

(c) Explain Entry of the following in Tally : 10

(i) Income Tax

(ii) VAT

(iii) ST/CST