

UG Odd Semester (CBCS) Exam., December—2016

## PHARMACEUTICAL SCIENCE

( 1st Semester )

Course No. : BPHCC-103

( Basics of Computer Application )

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*Answer **five** questions, taking **one** from each Unit

## UNIT—I

1. (a) What is a computer? Describe with a block diagram. 6
- (b) Find out the values of—
- (i)  $(254)_{10}$  in binary;
- (ii)  $(10101110)_2$  in decimal. 2+2=4
- (c) What is an operating system? Write various functions of an operating system. 1+3=4

2. (a) Explain different generations of computer. 8
- (b) Define ASCII with suitable example. 3
- (c) What are different components of system Unit? 3

## UNIT—II

3. (a) Explain various computer softwares. 6
- (b) What is computer memory? Describe different computer memories. 5
- (c) Fill in the blanks : 1×3=3
- (i) 1 KB = — B
- (ii) 1 MB = — KB
- (iii) 2 B = — Bits
4. (a) Describe system software and application software with examples. 5
- (b) Write short notes on the following : 3×3=9
- (i) Memory
- (ii) CPU
- (iii) Hardware

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UNIT—III

5. (a) Write short notes on the following : 4×3=12
- (i) MS-Word
  - (ii) MS-PowerPoint
  - (iii) MS-Excel
- (b) What is computer virus? 2
6. (a) Explain the usage of computer in—
- (i) education;
  - (ii) science and technology. 5×2=10
- (b) Describe the advantages of MS-office. 4

UNIT—IV

7. (a) Write down the algorithm to find the area of a rectangle. 4
- (b) Write C program for the followings : 5+5=10
- (i) Multiplication of three numbers
  - (ii) The average of 5 numbers

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8. (a) Write short notes on the following : 4×3=12
- (i) Keywords
  - (ii) Identifiers
  - (iii) Data types
- (b) In a flowchart, what do the following symbols represent : 1+1=2
- (i) 
  - (ii) 

UNIT—V

9. (a) What is a computer network? 2
- (b) Write short notes on : 4×3=12
- (i) Browser
  - (ii) Search engine
  - (iii) LAN
10. (a) Write down applications of computer in pharmacy. 8
- (b) Write short notes on : 2×3=6
- (i) Bus topology
  - (ii) Ring topology
  - (iii) Mesh topology

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