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

PHARMACEUTICAL SCIENCE

(1st Semester)

Course No. : BPH–107 (C)

(Basics of Computer Applications)

Full Marks : 75
Pass Marks : 30

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) Define computer. Explain different units of computer with a block diagram.

    2+8=10

   (b) Convert the following : 2×2=4

    (i) $(32)_{10}$ to binary

    (ii) $(11110)_2$ to decimal

   (c) What is 'mouse' of a computer? 1

2. (a) Describe the characteristics of computer. 6

   (b) What is supercomputer? 2

   (c) Write short notes on the following :

    $3\frac{1}{2}×2=7$

    (i) CPU

    (ii) Memory unit

UNIT—II

3. (a) What is an operating system? Write the various functions of an operating system. 2+3=5

   (b) Write short notes on (any *two*) : 5×2=10

    (i) CPU

    (ii) System unit

    (iii) BIOS

4. (a) What are input unit and output unit of a computer? 4

   (b) Describe computer's memory. 6

   (c) What is cache memory? 2

   (d) Compare between system software and application software. 3

(3)

UNIT—III

5. *(a)* What are the various animation facilities available in MS-PowerPoint? 3

(b) Explain the usage of computer in—

(i) education and entertainment;

(ii) pharmaceutical science. 6×2=12

6. *(a)* Write the advantages of MS-Office. 5

(b) Write the procedure of inserting a new slide and a picture in an MS-PowerPoint. 4

(c) Write short notes on the following : 2×3=6

(i) MS-Word

(ii) MS-Excel

(iii) MS-PowerPoint

UNIT—IV

7. *(a)* What is C programming language? Write its application. 1+2=3

(b) Write short notes on (any *three*) : 4×3=12

(i) Data type

(ii) Tokens

(iii) Identifiers

(iv) Keywords

(4)

8. *(a)* Write down the steps of problem solving. 4

(b) Explain flowchart and algorithm with suitable example. 8

(c) What is variable? Describe with example the different data types. 1+2=3

UNIT—V

9. *(a)* What is a computer network? What are the benefits of computer network? 1+5=6

(b) Write short notes on the following : 3×3=9

(i) Ring Topology

(ii) Mesh Topology

(iii) Bus Topology

10. Write short notes on the following : 5×3=15

(a) LAN

(b) MAN

(c) WAN

★ ★ ★