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Total No. of Questions : 10]

[Total No. of Printed Pages : 4

PHM-1.1.5
COMPUTER SCIENCE &
APPLICATIONS

(B. Pharmacy., 1st Semester, 2055)

Time : 3 Hours   Maximum Marks : 80.

Note :— Section A is compulsory. Attempt any *Four* questions from Section B and any *Three* questions from Section C.

Section–A   Marks : 2 Each

1. Answer each part in 2–5 lines :

    (a) Define WAN.

    (b) What are potential uses of Internet ?

    (c) Name any two operating systems.

    (d) Enlist various logical commands used in C.

PHM-1.1.5   Turn Over

M-93

(e) What are compilers ?

(f) What are secondary storage devices ?

(g) Give *two* differences between DOS and Windows ?

(h) What is an OSI architecture ?

(i) Differentiate between hardware and software.

(j) What are various types of computers ?

(k) What is TCP/IP ?

(l) What is an application software ?

(m) What are Google and its contents ?

(n) Why is C called an object oriented language ?

(o) Name various parts of computer

Section-B   Marks : 5 Each

What are computer various ? How do they affect the working of a computer ?

PHM—

M—93

3. Write a short note on use of computer in pharmaceutical industry.

4. Explain the difference between bounded and unbounded communication media.

5. Write the various steps in software development.

6. Give various applications and disadvantages of internet.

Section—C   Marks : 10 Each

7. Convert the following Binary numbers to Decimal numbers :

(a) 110

(b) 1111

(c) 1010

(d) 1011

(e) 1001

8. Write short notes on :

(a) Difference between Primary and Secondary computer memories.

(b) Various Network topologies.

PHM-115   Turn Over

M-93

9. What is an operating system ? Explain any *two* operating systems commonly being used with their unique features.

10. (a) Make a flow chart for calculating sum ten given numbers.

(b) What will be the output of the following C program :

```
main ( )
{
int j = 1;
while (j <= 10)
    {
    printf ("\n% d", j);
    j++;
    }
}
```

PHM–1.1.5

M–93