

Total number of printed pages – 4 **B. Pharm**
PH. 4.7

Fourth Semester Examination – 2008

COMPUTER APPLICATIONS

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory
and any **five** from the rest.*

*The figures in the right-hand margin
indicate marks.*



1. Answer the following questions : 2 × 10
- (a) Draw the Computer Block diagram.
 - (b) Give four important features of mainframe computers.
 - (c) Convert 437.875 to binary and 437.5 to hexadecimal numbers.

- (d) Give two important advantages of operating systems.
- (e) Find x, if $x = 12 - 9/3 + (3 * 2 - 1)$
- (f) Give the output using C
 $y = 98.7654;$
`printf ("%7.2f", y);`
`printf ("% e", y);`
- (g) Give the output of the program

```
# include < stdio.h >  
# include < conio.h >  
void main ()  
{  
    int m, j = 5, k ;  
    m = 2 * j / 2 ;  
    k = 2 * (j / 2 ) ;  
    (lscr () ;  
    printf ("\n m=%d k=%d", m, k);  
    get ch () ;  
}
```
- (h) Write about the increment and decrement operators in C giving examples.
- (i) What is TCP / IP in internet ?

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Contd.

- (j) Name two preprocessor directives used in C with examples.
- 2. Discuss about the computer generations – giving the period, switching devices, storage devices, speed, application software and models etc. in tabular form. 10
- 3. (a) Write about computer network topologies. 5
(b) Write the use of computers in hospitals. 5
- 4. (a) Write notes on Assembly language. 5
(b) Discuss about Dot matrix and Laser printers. 5
- 5. Write about following Dos Commands with some options available in each case : 2.5 × 4
(a) DIR (b) Copy
(c) Xcopy (d) FORMAT
- 6. (a) Write notes on flow chart. 5
(b) 60 candidates appear in an examination consists of 10 subjects and each subject

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with maximum 100 marks. The names, roll numbers and marks obtained in various subjects are supplied. If minimum 40% on an average is the pass mark draw a flow chart to write the list of candidates passed. 5

- 7. Discuss with examples about the 5+5
(a) Nested I F..... ELSE statement.
(b) For – looping statement
Using the programming language C.
- 8. Discuss the use of internet in pharmaceutical education. 10

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– C