

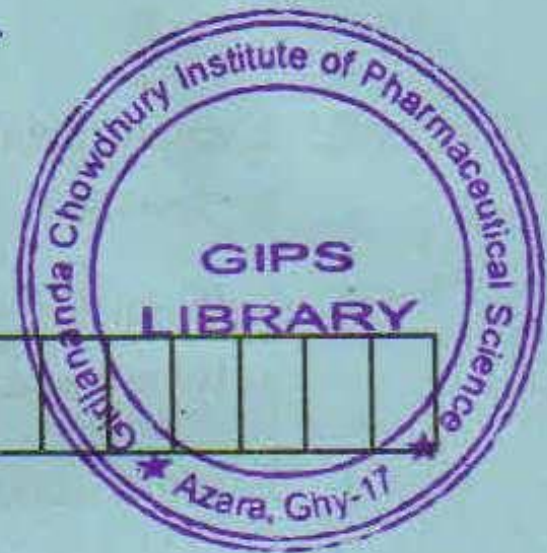
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PY 132407

Roll No. of candidate

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2017

**B. Pharm. 4th Semester End-Term Examination**

**COMPUTER APPLICATIONS**

Full Marks – 100 Pass Marks – 35 Time – Three hours

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The figures in the margin indicate full marks for the questions.

1. Answer any *ten* of the following questions :

3×10=30

- (a) What do you mean by Computer ? Write down two of the application of the Computer.
- (b) Convert the decimal number  $(155.155)_{10}$  to Binary Number.
- (c) Convert the Binary Number  $(111101.001)_2$  to Decimal Number.

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- (d) Explain about the PN junction with respect to forward's biased.
- (e) Explain the difference between Application software and System software with example.
- (f) Explain about the role of CPU.
- (g) Define the term Modem and HUB.
- (h) What is the need of repeaters in networking ?
- (i) Explain about the three properties of open source software.
- (j) Explain about the three properties of windows system.
- (k) Write down the syntax of 'for loop' with an example.
- (l) Write down the syntax of 'if else' with an example.
- (m) What is nested 'if else' ?

2. Answer any *ten* of the following questions :

4×10=40

- (a) Draw the basic diagram of the computer with its components and explain them.

- (b) WAP to check whether a number is even and odd.
- (c) WAP to find average of 5 numbers.
- (d) WAP to check whether a number is positive or negative.
- (e) Describe the difference between LAN and MAN.
- (f) If the base address of an array size `int a [20]` is 1500 then what is size of a `[10]`?
- (g) What do you mean by operating system ? Explain about it with examples.
- (h) Explain about the internet and email.
- (i) What is the role of computer in pharmacy education ?
- (j) What is internet and intranet ? Explain about URL.
- (k) Explain the two terms :
  - (i) # include,
  - (ii) # define.
- (l) Write the command for following :
  - (i) Create a directory
  - (ii) Delete a directory

(iii) Copy a file from A to B

(iv) Rename a directory.

3. Answer any *three* of the following questions :

10×3=30

- (a) Explain about the generation of computers with its advantages and disadvantages examples.
- (b) Explain about the different application software with its role.
- (c) WAP to find the sum of all even numbers within a range n.
- (d) Explain about the different network topologies with its advantages and disadvantages.