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Total No. of Questions : 8] *[Total No. of Printed Pages : 2*

Roll No .....

PY-306-CBCS

B.Pharmacy III Semester (Non-PCI Scheme)

Examination, June 2020

Choice Based Credit System (CBCS)

Computer Applications in Pharmacy

Time : Three Hours

Maximum Marks : 50

Note: i) Attempt any five questions out of eight questions.
ii) All questions carry equal marks.

1. a) i) For binary number 10101_2, calculate the equivalent decimal number.
   ii) For decimal number 1024_{12}, calculate the equivalent binary number.
   b) Find the following.
   i) 1111 + 1001
   ii) 1100 – 101

2. a) Explain in brief process life cycle.
   b) Explain data flow diagram with working model.

3. a) Write any seven HTML tags with their syntax and example.
   b) What is database and explain pharmacy drug database.

4. a) Explain mathematical model in drug design.
   b) Explain the following.
   i) Pharmacokinetic
   ii) Electronic Prescribing and Discharge (EP) system

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5. a) Explain Bioinformatics and its objective.

   b) What is impact of Bioinformatic in vaccine discovery? Explain with example.

6. Write short note on any two:

   i) Laboratory Information Management System (LIMS)

   ii) Text Information Management System (TIMS)

   iii) Chromatographic Data Analysis (CDS)

7. a) i) Convert the decimal number 45 to 1's complement form.

      ii) What is the One's complement of 0111001101?

   b) What is drug information storage and retrieval.

8. Write short note on the following. (any two)

   a) CSS and programming languages

   b) Patient monitoring system

   c) Hospital and clinical pharmacy

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