

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END-SEMESTER EXAMINATION)**

**CLASS: BPHARM
BRANCH: PHARMACY**

**SEMESTER: II
SESSION: SP/2019**

SUBJECT: BP205T COMPUTER APPLICATION IN PHARMACY

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
 2. Before attempting the question paper, be sure that you have got the correct question paper.
 3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
 4. This question paper consists of (03) three parts. Read the part wise instructions before attempting the questions.
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PART-I

Objective types questions (Instruction: Answer all questions)

Q1. (10 x 2 = 20 Marks)

- A. Why binary number system is used in Computer system?
- B. Why Feasibility analyses is must before planning the project?
- C. What is Data?
- D. Summarize the advantages of SQL.
- E. What are the advantages of Machine language?
- F. Define Pharmacokinetics.
- G. Summarize Clinical Pharmacy.
- H. What are the advantage of Pharma Information system?
- I. How Bioinformatics is helpful in Vaccine Discovery?
- J. Define Chromatographic data.

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 Marks)

- Q2. Illustrate what are the advantages of using Hexa-Decimal number System.
- Q3. Express :
- (i) $(111)_8 = ()_{10}$
- (ii) $(11)_2 + (0.11)_8 + (11A)_{16} + (276)_{10} - (1100.00101)_2 = ()_2$
- Q4. Summarize why Requirement analysis is required when new software are developed.
- Q5. Write the steps in HTML file too add Graphics in page.
- Q6. Describe what do you mean by HTML convertor.
- Q7. Explain Barcode Medicine Identification mechanism.
- Q8. Illustrate, what are the advantages of using Mathematical model to drug design.
- Q9. Define Bio-Informatics? What are the advantages of Bio-Informatics.
- Q10. Justify your answer, how Text Information Management System helps in pharmaceutical Industry.

PART-III
Long Answers

(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

Q11. Evaluate using 2's complement

(i) $(132)_{10} - (61)_{10} = ()_2$

(ii) Design a DFD for Hospital Management Information System.

Q12. Describe Patient Monitoring System. What are the steps to monitor a patient who is hospitalized in emergency?

Q13. Define Information Management System and how laboratory can help to develop modify drug.

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