

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2024

M.Tech. I/M.Sc.III- Semester (BT)

COURSE CODE (CREDITS):20M1WBT231/21MS2MB414 (3)

MAX. MARKS: 15

COURSE NAME: QC ANALYSIS AND MANAGEMENT

COURSE INSTRUCTORS: Dr. Gopal Singh Bisht/Dr. Poonam Sharma

MAX. TIME: 1

Hour

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

- Q1. a) Why Quality control is important in pharmaceutical manufacturing? [2]
b) Give an outline of physic-chemical studies in qualitative analysis. [2]
- Q2. Design stability studies of a Pharmaceutical active ingredient, keeping all quality control parameters under consideration. [3]
- Q3. Explain how to construct a) the cause and effect diagram (or) fishbone diagram and b) Pareto diagram? Also explain when do we use it? [4]
- Q4. Discuss requirements for the quality control of chemically synthesized peptides and biotechnologically produced proteins. [4]