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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST-1 EXAMINATION – FEBRUARY 2020

B.Tech VI Semester

COURSE CODE: 10B11BT612

MAX. MARKS: 15

COURSE NAME: Food and Agricultural Biotechnology

COURSE CREDITS: 04

MAX. TIME: 1HR

*Note: All questions are compulsory. Carrying mobile phone during examinations will be treated as a case of unfair means.*

1. A) Define Biotechnology and Agricultural Biotechnology. Enlist the products of Agricultural Biotechnology. 1MARK [CO 3]
- B) Agricultural Biotechnology can lead to reduced use of Agrochemicals. Elaborate 2MARKS [CO 3,5]
2. A) Mention any three methods to modulate a metabolic pathway involving many steps in plants. 1MARK [CO 5]
- B) Why chloroplast is the target of many herbicides? Enlist strategies for the development of herbicide tolerant crops. 2MARKS [CO 3,5]
3. What are dietary fibres? Discuss in detail the importance of dietary fibres. 3MARKS [CO 1]
4. Classify fats and oils. What are PUFA? Mention the health benefits of PUFA. 3MARKS [CO 1,4]
5. What is Pasteurization? List some common pasteurized foods. Define HTST and LTLT with respect to pasteurization. 3MARKS [CO 1,4]