

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2021

B.Tech VII Semester

COURSE CODE: 19B1WBT732

MAX. MARKS: 35

COURSE NAME: FOOD NUTRITION & HEALTH CARE

COURSE CREDITS: 3

MAX. TIME: 2 Hours

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

1. What is Lactose intolerance? Try to differentiate the following with respect to structure and characteristics: (a) Galactose and Maltose (b) Raffinose and Stachyose (c) Starch and Cellulose (d) Amylose and Amylopectin. [5 Marks]
2. Why human body require minerals? Identify the mineral and give a brief note based on the hints provided below. [5 Marks]
 - (a) Deficiency results in poor wound healing and impaired taste and smell
 - (b) Cretinism is caused by its deficiency
 - (c) A necessary catalyst for nearly 300+ reactions in Cells
 - (d) Muscle action/weakness and cardiac contraction
3. Who is an alcohol addict? What is "Binge Drinking"? What type of effect does a 0.4% BAC (Blood Alcohol Content) cause? What are the short term and long term effects of alcohol? [5 Marks]
4. Cocaine is classified under which category of drug? Discuss briefly the health effects of cocaine and the common names used as drug of misuse. When cocaine is supplied with heroin, what is its common name? [5 Marks]
5. Which plant is known as Herbal Speedball? Mention the health effects and withdrawal symptoms associated with this plant. [3 Marks]
6. Write a note on the drug which is commonly known as "Air Blast" or "Moon gas". [3 Marks]
7. *Catha edulis* is a shrub. State the origin of this shrub and the reason for its use. [3 Marks]
8. A fungus that grows on rye plant and other grains has addiction forming characteristics. Explain. [3 Marks]
9. Mention the alcohol withdrawal symptoms and the FDA approved drugs used for the treatment. How Disulfiram, a FDA approved drug can be used to treat alcoholism? [3 Marks]