

國立嘉義大學九十六學年度

食品科學系碩士班招生考試試題

科目：專業英文

一、Translate the following terms into Chinese: (30%, 2% each)

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|------------|----------------|-----------------|-------------------|--------------------------|
| 1. yogurt | 2. soft drink | 3. xanthophylls | 4. puffer fish | 5. intestinal microflora |
| 6. poultry | 7. taste panel | 8. supercooling | 9. saponification | 10. risk assessment |
| 11. zein | 12. vinegar | 13. sublimation | 14. oolong tea | 15. ultrafiltration |

二、Translate the following terms into English: (20%, 2% each)

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|----------|----------|---------|---------|------------|
| 1. 固定化酵素 | 2. 生物感應器 | 3. 鹵化作用 | 4. 營養標示 | 5. 競爭性抑制作用 |
| 6. 恆率乾燥期 | 7. 腸毒素 | 8. 離水現象 | 9. 半纖維素 | 10. 變性肌紅蛋白 |

三、Translation from English to Chinese: (30%, 15% each)

1. Glucosamine contains an amino group that is positively charged at physiological pH. Commonly sold forms of glucosamine are glucosamine sulfate and glucosamine hydrochloride. In the United States, glucosamine is not approved by the Food and Drug Administration for medical use in humans and is sold as a dietary supplement, so safety and formulation is solely the responsibility of the manufacturer. Since glucosamine is classified as a dietary supplement, evidence of safety and efficacy is not required as long as it is not advertised as a treatment for a medical condition. In Europe, glucosamine is approved as a medical drug. Clinical studies of glucosamine have consistently reported that glucosamine appears safe.

2. The liver is an essential organ that people cannot live without. It processes and stores many of the nutrients absorbed from the intestine, causes the secretion of bile that helps in the digestion of food, and produces some of the clotting factors that keep a person from bleeding too much when cut or injured. The liver gets most of its supply of blood from the hepatic portal vein, which carries nutrient-rich blood from the intestines; the rest comes from the hepatic artery, which supplies the liver with blood that is rich in oxygen. Roughly 75 percent of primary liver cancers begin in hepatocytes (liver cells). Hepatocellular carcinoma most commonly occurs in people whose livers have been damaged.

四、English composition: (20%, at least 200 words)

Topic: Importance and how do you take care of your health?