



Department of Nutrition and Food Engineering
Faculty of Health and Life Sciences
B.Sc. in Nutrition and Food Engineering
Midterm Examination Summer 2026

Course Code: 0511-1207
Level and Term: L-1, T-2
Time: 1 hour 30 minutes

Section: 253 All

Course Title: Human Physiology
Course Teacher Initials: AS, SIS
Total Marks: 25

Maintaining the order of the question is highly encouraged

- | | | Marks |
|---|--|-------|
| 1 | (a) Briefly discuss different types of tissues with their functions and examples. [CLO1,PLO1,C2] | 2 |
| | (b) "Various organ systems work together to maintain homeostasis"- Explain with example. [CLO1,PLO1,C1] | 2 |
| | (c) Differentiate between Eukaryotic and Prokaryotic cells. [CLO1,PLO1,C1] | 1 |
| 2 | (a) Write the differences between Crohn's disease and ulcerative colitis. [CLO1,PLO1,C4] | 2 |
| | (b) Draft a management plan for a patient diagnosed with peptic ulcer. [CLO1,PLO1,C3] | 2 |
| | (c) Which digestive organ is responsible for absorbing most nutrients from food? [CLO1,PLO1,C3] | 1 |
| 3 | (a) Explain the absorption process of fat molecules through the gastrointestinal tract by using a diagram. [CLO2,PLO1,C4] | 3 |
| | (b) A patient has a disorder that prevents chylomicron formation. Explain how this condition would affect the absorption and transport of dietary lipids. [CLO2,PLO1,C3] | 2 |
| 4 | (a) "The original stimulus of the secretion level of hormone is reduced and enhanced by the output"- Explain by mentioning examples. [CLO2,PLO1,C1] | 2 |
| | (b) Define and classify hormones based on their structures. [CLO2,PLO1,C2] | 2 |
| | (c) Which endocrine gland plays important role in improving the immunity system of the body? [CLO2,PLO1,C1] | 1 |
| 5 | (a) Explain the potential health risks associated with untreated pituitary apoplexy. [CLO2,PLO1,C5] | 3 |
| | (b) Assess the main conditions by evaluating the symptoms and risk factors that affect the thyroid gland. [CLO2,PLO1,C4] | 2 |