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Daffodil International University

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 **Course Title:** Human Physiology
Level and Term: L-1, T-2 **Section:** 253 All **Course Teacher Initials:** AS, SIS
Time: 1 hour 30 minutes **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,PLO1C1]	1
5	(a)	Explain the potential health risks associated with untreated pituitary apoplexy.	[CLO2,PLO1,C5]	3
	(b)	Asses the main conditions by evaluating the symptoms and risk factors that affect the thyroid gland.	[CLO2,PLO1,C4]	2