Name:

**Enrolment No:** 



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2021

**Course: Physiopathology of nutrition related disorders** 

Semester: IV Program: BSc FND

Course Code: HSCC2009

Time: 03 hrs. Max. Marks: 100

## Instructions: Attempt all Sections.

	SECTION A				
S. No.	MCQs or True and False or Fill in the blanks (1 marks each)	30 Marks	СО		
1	In the stomach lining, the parietal cells release and the chief cells release, both play a role in peptic ulcer disease. a. Pepsin, HCl b. Pepsinogen, pepsin c. Pepsinogen, gastric acid d. HCl and pepsinogen	1.5	C01		
2	GERD is the back up of stomach acid into the esophagus. True/ False	1.5	CO2		
3	Small Intestinal Bacterial Overgrowth is normally prevented by the combined action of antimicrobial peptides and immunoglobulins, secreted by small intestinal epithelial cells. <b>True/ False</b>	1.5	CO3		
4	The etiology of gastroparesis includes, Select ALL that apply a. Stomach surgery b. Eating disorder c. Diabetes d. Fever	1.5	C01		
5	<ul> <li>Cholecystitis disease is usually presented as</li> <li>a. pain in the right upper quadrant</li> <li>b. pain in the left upper quadrant</li> <li>c. pain in the left inguinal region</li> <li>d. umbilical region</li> </ul>	1.5	CO2		
6	<ul> <li>A patient has developed a duodenal ulcer. As the healthcare expert, you know that which of the following plays a role in peptic ulcer formation. Select ALL that apply:</li> <li>a. Food</li> <li>b. Helicobacter pylori</li> <li>c. NSAIDs</li> <li>d. Milk</li> <li>e. Zolinger-Ellison syndrome</li> </ul>	1.5	CO3		

7	The main hormone secreted by the Thyroid gland is (Tick all that apply)	1.5	
	a. Thyroxine		
	b. Tri-iodothyronine		CO1
	c. Calcitonin		
	d. TSH		
8	The low serum T-3, T-4 levels, and markedly elevated TSH levels interpret the laboratory diagnosis in myxoedema. <b>True/ False</b>	1.5	CO2
9	Which of the following are the associated risk factors for irritable bowel syndrome	1.5	
	(IBS)?	110	
	a. Alcohol consumption		GOA
	b. Obesity		CO3
	c. Hypertension		
	d. All of the above		
10	Insulin is synthesized in the beta cells of pancreatic islets, which of the following	1.5	
10	statement is true about insulin.		
	a. Insulin is initially formed as pre-proinsulin which is single chain 86		
	aminoacid precursor polypepetide.		CO1
	b. Human insulin protein consisted of 55 amino-acids.		
	c. The function of insulin is the regulation of body temperature.		
	d. Insulin is considered as the main catabolic hormone.		
11	The accumulation ofin the body causes gout.	1.5	
	a. Neutrophils	110	
	b. Uric acid		CO2
	c. Synovial fluid		
	d. Leukocytes		
12	Which of the following is TRUE about the etiology of RA?	1.5	
	a. It is likely an autoimmune disease.		
	b. It is believed that infectious, genetic, and hormonal factors may be contributing		
	factors.		CO3
	c. If one monozygotic twin has RA, there is a 1 in 2 chance that the other twin		
	will develop the same disease.		
	d. Both A and B		
13	Which of the following is the function of the human liver? Tick all that apply	1.5	
	a. Production of bile		
	b. Metabolization of fats		CO1
	c. Metabolization of carbohydrates		
	d. Detoxification of chemicals		
14	Reflux is an alternative term for	1.5	
	a. Vomiting		
	b. Acid erosion		CO2
	c. Regurgitation		
	d. Salivating		
15	This transmission of this form of Hepatitis could occur via contaminated water or food.	1.5	
	a. A and E		CO3
	b. C		
	c. B		

	d. All of these.		
16	This nucleic acidis found in hepatitis B virus.	1.5	
	a. dsRNA		
	b. ssDNA		CO1
	c. ssRNA		
17	d. dsDNA Short howal sundrome is characterized by all of the following execut:	1.5	
17	Short bowel syndrome is characterized by all of the following except: a. Steatorrhea	1.5	
	b. Hypogastrinemia		CO2
	c. Diarrhea		002
	d. Weight loss		
18	Which of the following is not a symptom of lactose intolerance?	1.5	
	a. Bloating		
	b. Cramps		<b>CO3</b>
	c. Nausea		
	d. Fever		
19	Gout is usually caused by abnormal metabolism of	1.5	
	a. Pyrimidine b. Purine		CO1
	c. Glucose		CO1
	d. Fats		
20	Moon face, weight gain, buffalo hump are the clinical manifestations of	1.5	
_0	a. Addison's disease	1.0	
	b. Cushing syndrome		CO2
	c. Hypothyroidism		
	d. None of them		
	SECTION B the word limit 20 marks 4 questions 5 marks each		
Q	Short Answer Type Question (5 marks each) Scan and Upload 4 questions 5 marks	20	СО
	each (word limit not more than 80 words)	Marks	co
1	Explain the anatomy of pancreas and the role of pancreatic cells.	5	<b>CO1</b>
2	Which food causes lactose intolerance? Mention its pathophysiological mechanism.	2+3	CO2
3	Classify Hepatitis? What is the mode of transmission of Hepatitis B and D?	5	CO2
4	Enumerate the functions of liver? Name the disorders associated with liver.	2+3	CO1
	SECTION C 30 marks		
Q	Two case studies 15 marks each subsections	30	
		Marks	CO
1	Case Study 1		
	A 52-year-old woman with obesity and a 9-year history of type 2 diabetes presents		002
			CO3,
	with complaints of fatigue, difficulty losing weight, and no motivation. She denies	15	,
	polyuria, polydipsia, polyphagia, blurred vision, or vaginal infections. She notes a marked decrease in her energy level, particularly in the afternoons. Her blood glucose	15	CO5