

DATE: 4TH MAY 2021

TIME: 01.30PM – 04.30 PM

PART B – Structured Essay Questions (40 marks)

1. Most cases of diabetes fall into two broad etiopathogenetic categories. However, due to many reasons, many diabetic individuals do not easily fit into a single class.

1.1. List two (02) main types of diabetes. (02 marks)

I.

II.

- 1.2. Briefly describe the pathophysiology of one type of diabetes mellitus that you mentioned in

1.1. (03 marks)

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- 1.3. List two (02) metabolic changes that can be seen in a subject with diabetes mellitus.

(01 marks)

I.

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II.

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- 1.4. Briefly explain how polydipsia is developed in diabetes mellitus.

(04 marks)

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(Total: 10 marks)

2. The female reproductive system consists of vagina, uterus, fallopian tubes and ovaries.

2.1. Define the term “infertility”. (02 marks)

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2.2. List three (03) female infertility factors giving an example for each. (03 marks)

	Female infertility factors	Example
	Psychosocial factors	Anorgasmia
I.		
II.		
III.		

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4. The serum protein electrophoresis test is used to measure specific proteins in the blood to identify some diseases.

4.1. Draw and label the normal resolution pattern of serum protein electrophoresis in a normal healthy adult. (03 marks)

4.2. Give four (04) examples for disease conditions where serum protein level is increased. (02 marks)

- I.
- II.
- III.
- IV.

4.3. Briefly explain the possible results of serum electrophoresis of a subject with the nephrotic syndrome. (05 marks)

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(Total: 10 marks)

PART C – Essay Questions (30 marks)

1. Write an essay on “how examination of stool specimens can be used in the diagnosis of diseases”. (15 marks)
2. Write an essay on “importance of proper collection of seminal fluid specimens in the diagnosis of reproductive disorders in males”. (15 marks)

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