UNIVERSITY OF ESWATINI **FACULTY OF HEALTH SCIENCES** DEPARTMENT OF GENERAL NURSING

MAIN EXAMINATION, MAY 2021

COURSE TITLE: PATHOPHYSIOLOGY

COURSE CODE: GNS 603

TIME ALLOCATED: THREE (3) HOURS

MARKS ALLOCATED: 100

INSTRUCTION:

- ANSWER ALL QUESTIONS
- ANSWER ALL QUESTIONS IN THE SEPARATE ANSWER-BOOKLET **PROVIDED**
- THERE ARE FIVE (5) QUESTIONS, EACH WORTH 20 MARKS
- THERE ARE THREE (3) PRINTED PAGES EXCLUDING COVER PAGE

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO BY THE INVIGILATOR

QUESTION 1

QUESTION 2 2.1 A couple with normal skin colour gave birth to an albino daughter. With the aid diagram, a) Discuss the possible genotype(s) of the couple b) State, with rationale, the probability of them giving birth to: i. An albino son ii. A child with normal skin colour iii. A carrier of albinism	
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 b) State, with rationale, the probability of them giving birth to: i. An albino son ii. A child with normal skin colour iii. A carrier of albinism 	507
i. An albino sonii. A child with normal skin colouriii. A carrier of albinism	[8]
ii. A child with normal skin colour iii. A carrier of albinism	
iii. A carrier of albinism	[1]
	[1]
	[1]
2.2 Give a brief pathophysiological explanation to each of the following:	
	[5]
(b) Visceral pain is often dull, poorly localised and often perceived on sites different f	
	from
their sites of origin. [Sub-total 20ma]	from [4]

QUESTION 5

- 5.1 A 5 year old child present to the clinical area with difficulty breathing, and hives on the body. The caregiver gives a history of eating ice cream which had fragments of almonds
 - (a) State the most likely diagnosis for this child [1]
 - (b) Discuss the cascade of events that occurred leading to the development of signs and symptoms in this child. [5]
 - (c) What grading would you assign to this child's clinical manifestations? [1]
- 5.2 Zodwa a 39year old patient is due for initiation of anti-tuberculosis treatment today. Using your knowledge of pathology, explain the type of inflammation on the lung parenchyma this patient is experiencing

[5]

5.3 Clients taking Zidovudin (AZT)-based ARV regimens for a prolonged period of time would need strict monitoring of their cardiovascular function, otherwise they may end up developing complication up to as severe as heart failure and eventually pleural effusion. Discuss pathophysiologically the practicality of the occurrence of the stated complications as a result of the said regimen.

[8]

[Sub-total 20marks]