

UNIVERSITY OF ESWATINI Faculty of Health Sciences

Department of General Nursing

MAIN EXAMINATION PAPER MAY 2019

TITLE OF PAPER

:INTRODUCTION TO PARASITOLOGY FOR NURSES

COURSE CODE

:GNS104

DURATION:

:2.0 **HOURS**

PROGRAMME:

:BACHELOR OF NURSING SCIENCE

MARKS

:100

INSTRUCTIONS

:READ THE QUESTIONS

AND INSTRUCTIONS CAREFULLY.

ANSWER QUESTION 1 AND ANY OTHER

THREE(3) QUESTIONS.

EACH QUESTION CARRIES 25 MARKS

WRITE NEATLY AND CLEARLY

NO PAPER SHOULD BE BROUGHT INTO OR

OUT OF THE EXAMINATION ROOM.

BEGIN EACH QUESTION ON A SEPARATE

SHEET OF PAPER.

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR

QUESTION 1

Instructions: For each of the following questions / statements choose and write CLEARLY the letter that corresponds with the most appropriate response in your answer sheet e.g. 1. d

COMPULSORY[All candidates must answer this question] (2.0 MARKS EACH).

- 1.Helminthsincludes;
 - a.) cestodes, trematodes, plasmodia, nematodes
 - b.) cestodes, nematodes, toxoplasma gondii, trematodes
 - c.) nematodes, hookworms, trematodes, fasciola hepatica, trichomonasvaginalis
 - d.) cestodes, trematodes, nematodes
- 2. Chronic anemia is a symptom commonly associated with;
 - a.) Trichuristrichuria
 - b.) Ascarislumbricoides
 - c.) Necatoramericanus
 - d.) Ancylostomumduodenale
 - e.) Both c and d
- 3. Schistosoma;
 - a.) is a dioeciousprotozoa
 - b.) is a monocioushelminth
 - c.) is a hermaphroditic worm
 - d.) is a dioecioushelminth
 - e.) None of the above
- 4.Trichuristrichuria;
 - a.) is an intestinal nematode that is soil transmitted in warm, humid conditions
 - b.) can cause diarrhea, rectal prolapse and anemia
 - c.) it can cause pneumonitis
 - d.) none of the above
- 5.Enterobius (pin worm)
 - a.) is prevalent in cold and temperate climate, mainly in children
 - b.) it has oral suckers, lips and teeth
 - c.) it has a cylindrical body cavity

- d.) a and c
- e.) None of the above
- 6. Infection with the following parasites is more severe in immunosuppressed persons, malnourished also suffering from intercurrent disease;
 - a.) Ancylostomaduodenale and Necatoramericanus
 - b.) Strongloidesstercolaris
 - c.) Plasmodium and Toxoplasma
 - d.) all the above
 - e.) None of the above
- 7. a.) Filarial worms, liver fluke, pork tape worms, are all Biohelminths
 - b.) Trichuris (whip worm), Ancylostoma (hook worm) and Enterobius (pin worm) are all Biohelminths
 - c.) Plasmodium, Toxoplasma, Trypanosomes are all Bioheminths
 - d.) all the above
 - e.) None of the above

WRITE TRUE OR FALSE. (in your answer sheet e.g. 5. TRUE)

- 8. Parthenogenesis means ability to produce offspring without fertilization.
- 9. Pathogenosis means ability to produce offspring without fertilization.
- 10. Oviparous means producing larvae discharged from uterus of female.
- 11. Helminthology is the study of parasitic worms and their effect on their vector.
- 12. Biohelminths refer to parasitic worms that have to undergo development in intermediate hosts to complete their life cycle. (1.0 MARK)
- 13. Ovoviviparous means production of eggs which hatch prior to discharge from the uterus of female. (1.0 MARK)
- 14. Viviparous means production of embryos/L₁ larvae. (1.0 MARK)

QUESTION 2

Copy the disease card below onto your answer booklet. Complete it by filling your answers into the empty boxes. [25 Marks]

,	Onchocersiasis	Lymphatic Filariasis	
Vector			
Location of adults			
Symptoms			
Diagnosis			
Treatment			
Prevention and control			

QUESTION 3

Briefly (explain	the foll	owing	phenomena/	observations;
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a)Control measures at individual/community, national, regional levels. (10)

b) The knowledge of the life cycles of parasites is critical for effective prevention and control. (5)

c)Common pathways for the transmission of parasites. (5)

d)Some parasites must migrate to certain locations within hosts to complete their life cycle. (5)

[25 Marks]

QUESTION 4

You are called in an emergency case in a rural village, where there has been an excessive rainfall with flooding and a break down of water purification systems. As a result the community people and day care children have been drinking from the overflowing rivers.

- a) State your list of tentative diagnoses, explain your reason for your choices (5)
- b) List the most common symptoms likely to be exhibited by the patients (5)
- c) Explain your diagnostic approach (5)
- d). Describe your control and disease prevention measures (10)

[25 Marks]

END OF QUESTION PAPER