

**UNIVERSITY OF SWAZILAND**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF GENERAL NURSING SCIENCE**  
**SECOND SEMESTER**  
**FINAL EXAMINATION**  
**MAY 2013**

**COURSE CODE:** NUR 421  
**COURSE TITLE:** HEALTH ASSESSMENT DIAGNOSIS & TREATMENT II  
**MARKS ALLOCATED:** 75  
**TIME ALLOWED:** 2 HOURS

**INSTRUCTIONS:**

1. This paper has a total number of three (3) questions
2. Read all the questions carefully and with understanding
3. Answer all the three (3) questions
4. Write legibly

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

## Question 1

For the following multiple choice questions write the most correct response. Write the question number and the letter representing the answer e.g.1. A

1. The responsibility of preventing burns in young children lies with
  - A. The nanny who takes care of the child
  - B. The mother of the child
  - C. Everybody in the family
  - D. The father as the family head(1)
  
2. One of the following is an example of a medical diagnosis:
  - A. Sleep pattern disturbance
  - B. Fever of unknown origin
  - C. Fluid volume deficit
  - D. Ineffective breathing patterns(1)
  
3. A client with cataracts usually complains of:
  - A. Sluggish pupil and ciliary flush
  - B. Pain, photophobia and sensation of foreign body in the eye
  - C. Progressive loss of central vision with no change in eye appearance
  - D. Glare from bright lights at night and clouding of lens(1)
  
4. Dots is the most effective strategy currently used to ensure adherence to:
  - A. Anti-retroviral therapy (ART)
  - B. Anti tuberculosis treatment
  - C. Anti diabetes mellitus treatment
  - D. All of the above(1)
  
5. The following are not the specific diagnostic investigation for pulmonary tuberculosis **EXCEPT**:
  - A. Full blood count
  - B. Chest x-ray
  - C. Sputum for Acid Fast Bacilli
  - D. Sputum for micro-culture and sensitivity(1)
  
6. Iron deficiency anaemia:
  - A. Is more common in men than in women
  - B. Is characterized by large pale erythrocytes

- C. Is only treated by an intramuscular injection of iron  
D. Is the form of anaemia that follows chronic blood loss from the body (1)
7. Acute otitis media is a common disease caused by the following micro-organisms  
**EXCEPT:**  
A. Staphylococcus aureus  
B. Streptococci  
C. Measles virus  
D. Haemophilus influenza (1)
8. Emergency symptoms of bronchial asthma include the following EXCEPT:  
A. Sweating  
B. Rapid pulse  
C. Bluish colour of the lips  
D. Stiff neck (1)
9. Warts that are called **filiform warts** appear on the following part(s) of the body:  
A. Bottom of the feet  
B. Face, legs and other parts of the body  
C. The face only  
D. Under the nails (1)
10. Sonkhe, a 10 year old boy, has a nose bleed. After a few attempts to arrest the bleeding, the nurse decides to refer the client. The reasons for referring him are all of the following **EXCEPT:**  
A. Recurrent nose bleed  
B. The cause of bleeding not determined  
C. Failure to control the bleeding by pinching the nose  
D. Sonkhe is a child requiring vitamin K (1)
11. Jabu has been bitten by a snake whose identity was not found. On assessment it is noted that Jabu has developed paralysis of the affected limb. This means that it is likely that she was bitten by a:  
A. Haematonic snake  
B. Necrotic snake  
C. Cytotoxic snake  
D. Neurotoxic snake (1)

12. Njabulo, a 22 year old male visits the health facility you work at with a history of urethral discharge. As per the recommended syndromic management of the condition, you treat him with:
- A. Ciprofloxacin 500 mg stat plus doxycycline 100 mg 12 hourly x seven (7) days
  - B. Ciprofloxacin 400mg stat plus doxycycline 100 mg 12 hourly x seven (7) days
  - C. Ciprofloxacin 400 mg stat plus metronidazole 1 G stat
  - D. Ciprofloxacin 500 mg stat plus spectinomycin 2 G stat
- (1)

13. There are two patients admitted in a medical ward. One has convulsions and the other presents with a snake bite. They both have similar signs and symptoms which include all the following **EXCEPT**:
- A. Metallic taste
  - B. Biting the lip
  - C. Frothing
  - D. Disturbed vision
- (1)

14. Mr Thwala, a 60 year old male client, is admitted in a medical ward with a congestive heart disease. Part of the diagnostic tests he undergoes include all the following **EXCEPT**:
- A. Electrocardiogram
  - B. CT scan
  - C. Chest x-ray
  - D. Echo-cardiogram
- (1)

15. You are inspecting a 50 year old client at an eye clinic. On palpation you feel a hard lump inside the eyelid and you assume that the client is having a probable diagnosis of:
- A. Conjunctivitis
  - B. Cataract
  - C. Chalazion
  - D. None of the above
- (1)

**For the following True or False statements write True if it is true or False if it is false next to the number given. E.g 11 True**

- 16. Sinusitis is the inflammation of the nose and throat (1)
- 17. Hydronephrosis is one of the urinary tract infections (1)
- 18. Isoniazid and Rifampicin, in the treatment of all population of TB bacilli, are the most powerful bactericidal drugs (1)

19. Ninety percent (90%) of snake bites are poisonous and, therefore, the majority of patients bitten by the snakes require an antivenom (1)
20. Seborrhic lesions may be round or irregular (1)
21. Warts affect many parts of the body (1)
22. According to Glasgow's coma scale, when a client with a head injury responds inappropriately to the assessor's commands during head assessment, the client is rated five (5) (1)
23. An adult who has a past history of chicken pox is less likely to suffer for Herpes Zoster (1)
24. When providing First Aid to a person bitten by a dog, you need to bandage the bitten area (1)
25. An elderly Mr Gama has been suffering from hypertension for the past twelve years. Evidence indicates that he is not likely to suffer for congestive heart failure (1)

**TOTAL = 25 Marks**

## Question 2

- A. Mr Kheswa is brought by his relatives to the out-patients' department with an acute hypersensitivity reaction which is said to have occurred within a few minutes after having eaten two eggs for his breakfast. On physical examination, the doctor concludes that he has a diagnosis of **Anaphylaxis**. Describe the condition under the following:
1. Skin manifestation (4)
  2. Cardiovascular manifestations (4)
- B. You are assigned to work in the skin clinic on a Monday morning. A three (3) year old male child is brought in by his mother presenting with a skin condition. On examination, you suspect that the child has **Impetigo**. Describe (i) the subjective information you would gather in relation to the condition and (ii) the objective information you would identify signifying the existence of the condition (10)
- C. Iron deficiency anemia may be very fatal if it remains uncontrolled. Discuss iron deficiency anemia under the following:
- Four symptoms of the disease (2)
  - One actual nursing diagnosis associated with the disease (3)
  - Four diagnostic investigations (2)

**TOTAL = 25 Marks**



### Question 3

- A. Pulmonary tuberculosis (PTB) is one of the most common but curable opportunistic infections that are found in people living with HIV and AIDS infection.
1. Mention four symptoms that are suggestive of pulmonary TB (2)
  2. List three diagnostic investigations that are usually carried out for PTB (3)
  3. For ½ a point each, mention the two phases for the treatment regimen of PTB, the duration of each phase and the drugs used in each phase (5)
  4. Discuss the management you would accord a client who was previously treated for PTB but defaulted. (6)
- B. Mazambane, a 19 year old man working in Matsapha industrial area, comes to the clinic and reports that he has been having a very painful and puritic rash following a nerve line for the past week. He continues to report that during his childhood he had chicken pox and that he does not know his HIV status.
1. Mention the physical examination technique(s) you would follow in assessing Mazambane in relation to his skin problem (1)
  2. List four (4) possible findings from the physical examination conducted (4)
  3. Although the probable diagnosis may be sufficiently made clinically, mention two [2] diagnostic investigations that would be objective enough to confirm the actual diagnosis (2)
  4. From the information given in the history above state the medical condition that you think Mazambane has (1)
  5. What oral treatment regimen would you order for Mazambane for the condition mentioned in question (4) above? (State the dose and duration of treatment) (1)

**TOTAL**

**= 25 marks**