

**UNIVERSITY OF SWAZILAND**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF GENERAL NURSING SCIENCE**  
**FINAL EXAMINATION**  
**MAY 2012**

**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 questions**
- 2. Read all the questions with understanding**
- 3. Answer all the three 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 choose and write the most correct answer in your answer sheet e.g. 21. B.

1. One of the following conditions is associated with head injuries and it defines a total or partial inability to recall recent or remote experiences:
  - A. Apraxia
  - B. Agnosia
  - C. Aphasia
  - D. Amnesia(1)
  
2. In a head injury the level of consciousness is assessed by observing the spontaneous opening of the eye which is rated at one of the following figures:
  - A. 6
  - B. 2
  - C. 4
  - D. 3(1)
  
3. The following is a symptom of convulsions originating from abnormal electrical discharges of the frontal lobe of the brain:
  - A. Chewing movements
  - B. Hallucinations of images
  - C. Twitching in a specific muscle
  - D. Numbness in a specific body part(1)
  
4. One of the following is a definition of homeostasis:
  - A. An acute generalized and severe life threatening endocrine condition
  - B. A condition resulting from a venom injected into the human skin
  - C. A concept describing the body's state of balance
  - D. A process of repeated exposure to small amounts of an allergen(1)

5. Anaphylaxis is a sign of:  
A. Difficulty in breathing  
B. Disturbance in body homeostasis  
C. Unconsciousness  
D. All of the above (1)
6. The skin manifestations of anaphylaxis include all the following EXCEPT  
A. Itching of the entire body  
B. Massive facial angioma  
C. Acne  
D. Flushing with warmth and diffuse erythema (1)
7. The best drug to treat anaphylaxis is:  
A. Amynophyline  
B. Doxycycline  
C. Pethidine  
D. Epinephrine (1)
8. One of the following is the other name for dermatitis:  
A. Acne  
B. Eczema  
C. Pemphigus  
D. Erythema nodosum (1)
9. Antibodies are formed when lymphocytes respond to:  
A. Red blood cells  
B. Blood plasma  
C. Antigens  
D. Leukocytes (1)
10. When a baby born by an HIV positive mother tests HIV positive, this may mean that the baby:  
A. Has a very high viral load  
B. Has a very low CD4 cell count  
C. Has HIV antibodies in his/her blood  
D. All of the above (1)

11. Herpes Zoster lesions affecting a specific area spread:  
A. Longitudinally around that area  
B. Unilaterally around the area  
C. Vertically over the area  
D. Horizontally around the area (1)
12. Gastric lavage is contra-indicated in the following situation(s):  
A. Presence of seizures  
B. After ingestion of caustic soda  
C. After ingestion of an acid/alkaline  
D. All of the above (1)
13. Poisoning with carbon monoxide includes the following manifestations EXCEPT:  
A. Muscular weakness  
B. Palpitations  
C. Confusion  
D. Diarrhea (1)
14. The following percentage range of individuals is affected by Type 2 Diabetes Mellitus:  
A. 90 – 96%  
B. 85 -89%  
C. 70 – 75%  
D. 40 – 60% (1)
15. From a woman presenting with a skin condition which one of the following is a personal or social history?  
A. Infectious condition  
B. Fungal infection  
C. Use of alcohol  
D. Allergic reactions (1)
16. Podagra (great toe) is commonly affected when a person is suffering from:  
A. Aneamia  
B. Diabetes Mellitus

- C. Pyelonephritis
- D. Gout (1)

17. Anaphylactic shock is associated with:

- A. Tuberculosis
- B. Urticaria
- C. Hypertension
- D. Pneumonia (1)

18. The following signs and symptoms are associated with severe anemia EXCEPT:

- A. Chest pains
- B. Changed stool color
- C. Heart attack
- D. Angina (1)

19. Sipiwe reported to have been bitten by a dog and you are expected to administer an anti-rabies vaccine as follows:

- A. 5 weekly doses
- B. 2 weekly doses
- C. 3 weekly doses
- D. Once (1)

20. An athlete's foot (foot ringworm) may be prevented by all the following EXCEPT:

- A. Cleanliness
- B. Putting socks with shoes
- C. Wearing loose fitting shoes
- D. Minimizing sweat and moisture (1)

**For the following statements write TRUE or FALSE as appropriate in your answer sheet:**

21. Determining if an anemic patient is using Zidovudine (AZT) is not necessary. T/F

(1)

22. Hypothyroidism results in hair loss. T/F

(1)

23. Rapid respirations are not common in pneumonia. T/F (1)
24. Cleansing a patient's oral cavity with warm, salty water is not encouraged among patients with oral candidiasis. T/F (1)
25. Write the full name for the following diagnostic test abbreviation
- CT scan (1)

**Total = 25 Marks**

## **QUESTION 2**

- A. You are working in one rural health clinic as a diagnostic nurse. An 18 year old female client comes to the clinic with the following complaints:
- Having missed a period for 2/12
  - A painless sore on her genitalia that has been coming on and off.
    1. What medical condition do you suspect she has in relation to the painless genital sore coming on and off? (1)
    2. What is the name given to the painless on and off sore she has? (1)
    3. Mention two (2) laboratory investigations you would refer this client to hospital for, stating the reasons for suggesting such investigations. (4)
    4. State the most likely treatment, (dosage, route of administration and duration), that would be ordered for the client in view of the medical diagnosis mentioned in (1) above. (2)
    5. Mention the advice (2 points only) you would give to the client on:  
Prevention of sexually transmitted infections (2)
- B. A 30 year old man comes to the out-patients' department complaining of

**neuralgia** on his posterior chest. After a thorough physical examination, **Herpes Zoster** is detected. Describe this condition under the following:

- i. Causative organism (1)
  - ii. Six (6) clinical manifestations (6)
- C. A 13 year old Nozizwe is admitted in a medical ward with a purulent exudate from the right ear and she complains of hearing loss on the same ear. On thorough physical examination and diagnostic investigations, the doctor diagnosed Nozizwe as having **Otitis Media**.
- i. Specify two causative organisms of this condition (2)
- D. Different skin conditions affect different parts of the body. Mention any body part that can be affected by each of the following skin conditions:
- i. Atopic dermatitis (1)
  - ii. Seborrhoeic dermatitis (1)
- E. Develop two (2) nursing diagnosis related to Diabetes mellitus (4)

**Total = 25 Marks**

### **QUESTION 3**

- A. A 25 year old young man comes to the out-patients' department with a suspected **Oral Candidiasis**.
- i. Mention five (5) risk factors of oral candidiasis. (5)
  - ii. Develop three nursing diagnoses related to oral candidiasis (6)
- B. A 65 year old male come into the Emergency Room complaining of blurred vision and a severe headache. He reports that he had his blood pressure checked by his wife at home who found that it read 210/110 mm Hg. He stated that this scared him a lot and that was the reason he had come to hospital. On his previous medical record checking, it was found that the

patient started anti -hypertensive therapy in the year 2005 and that his medication included Hydrochlorothiazide (HCTz) and Amiloretic, but the patient admits to have not been taking HCTz for the past week because it made him feel dizzy and weak. On vital signs checking this is what was found: Pulse – 85 beats per minute, Temperature – 37 degrees Celcius, Respirations -16 breaths per minute and Blood pressure -220/115 mm Hg. On laboratory investigations his blood sugar level was 6.1 mmol/L

From the above case study information:

- i. State any four items of the subjective data identified in the case study (4)
  - ii. State four items of objective data identified from the case study (4)
  - iii. Identify one actual or potential nursing diagnosis (2)
  - iv. Mention the medical diagnosis the client has (1)
  - v. Mention two (2) nursing interventions that may be undertaken in dealing with the identified nursing problem (2)
- C. Specify one (1) diagnostic/laboratory investigations that can be carried out in clients with hypertension. (1)

**Total = 25 Marks**