



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: +254 (0)799529958, +254 (0)799529959, +254 (0)712524293

Website: www.must.ac.ke Email: info@must.ac.ke

UNIVERSITY EXAMINATIONS 2023/2024

SECOND YEAR, THIRD SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN
NURSING

NND 3231: MEDICAL SURGICAL NURSING II

DATE: DECEMBER 2023

TIME:3 HOURS

INSTRUCTIONS: Answer all questions in the booklet provided

Ensure that all your answers are properly numbered

Section One: Multiple Choice Questions (MCQs): Write the correct answer on the space provided in the answer booklet. Each MCQ is one mark.

Section Two: Short Answer Questions – Answer questions following each other on the answer booklet

Section Three: Long Answer Questions – Answer the questions on the answer booklet

All questions are compulsory

PART A: MCQS (20 MARKS)

1. The following are true concerning the management of hypothyroidism except?
 - a) Provide information on relationship of body changes to hypothyroidism
 - b) Increase activities abruptly
 - c) Ensure adequate fluid intake
 - d) Ensure a high fiber diet to promote peristalsis and bowel motility

2. Old damaged RBC's are removed from the circulation in the following ways except?
 - a) 90% are removed from the circulation by the phagocytic activities of macrophages in the liver, spleen and lymph nodes.
 - b) The macrophages convert biliverdin into heme and then bilirubin
 - c) 10% of the old cells hemolyze in the circulation. The fragments of these cells are then engulfed by macrophages
 - d) The chemical components of the RBC are broken down within vacuoles of the macrophages due to the action of lysosomal enzymes
3. On the management of toxic epidermal necrosis all the following are true except?
 - a) Oral mucosa care with mouth antimicrobial washes and water
 - b) Chemotherapy use to achieve remission
 - c) Surgical debridement is recommended
 - d) Control of fluid and electrolyte balance is essential.
4. Concerning the management of herpes zoster all the following are true except?
 - a) Vaccinations using human papilloma virus vaccine
 - b) Antibiotics prevent secondary infection
 - c) Isolation of children, elderly and pregnant women
 - d) Ophthalmologist review when eyes are affected
5. All the following are probable causes of idiopathic thrombocytopenic purpular except?
 - a) Viral infections
 - b) Systemic lupus erythematosus (SLE)
 - c) Medications such as sulfa drugs
 - d) Bacterial infections
6. The following are management of pruritus except?
 - a) Find the underlying cause
 - b) Apply antipruritic colloids
 - c) Avoid the triggering factor
 - d) Keep the skin dry
7. All the following are complications of aortic stenosis except?
 - a) Dysrhythmias
 - b) Left-sided heart failure
 - c) Convulsions
 - d) right-sided heart failure

8. The following are Modifiable risk factors to atherosclerosis except?
- a) Increasing age
 - b) Elevated blood glucose level
 - c) Hypertension
 - d) Hyperlipidemia
9. Concerning mitral stenosis;
- a) Involves blood flowing back from the left ventricle into the left atrium during systole.
 - b) Obstruction of blood flowing from the left atrium into the left ventricle
 - c) With each beat of the left ventricle, some of the blood is forced back into the left atrium
 - d) Obstruction of blood flowing from the left atrium into the right ventricle
10. All the following are chief causes of jaundice except?
- a) An increased rate of RBC breakdown.
 - b) Liver damage
 - c) Bacterial Infections
 - d) Obstruction in the biliary system
11. The following are nursing management of the patient with thrombocythemia except?
- a) Patients with primary thrombocythemia need to be instructed about the accompanying risks of thrombosis and hemorrhage
 - b) Patients on treatment with antibiotics should be informed on the risk of bleeding
 - c) Patients should be informed about signs and symptoms of thrombosis, particularly the neurologic manifestations
 - d) Patients who are at risk for bleeding should be instructed about medications that can alter platelet function
12. The confirmatory diagnoses of aplastic anemia is?
- a) Clinical manifestation
 - b) Bone marrow biopsy
 - c) Laboratory investigations
 - d) x-ray
13. Management of iron deficiency anemia include all the following except?
- a) Oral or parenteral iron therapy
 - b) Oral ferrous sulfate preferred and least expensive
 - c) Use of sodium ferric gluconate, iron sucrose (Venofer), or iron dextran
 - d) Parenteral therapy may be used when patient can tolerate oral

14. Contusion occurs when?
- a) There is an injury to a muscle and/or tendon
 - b) There is a stretch and/or tear of a ligament
 - c) It occurs when a direct blow (or repeated blows) by a blunt object strikes part of the body, crushing underlying muscle fibers and connective tissue without breaking the skin.
 - d) Its inflammation or irritation of a tendon or the covering of a tendon
15. Concerning Superficial partial thickness burns (1st degree burn):
- a) Damaged skin is not painful
 - b) Completely recovers occurs within a week with scarring
 - c) Pain is not soothed by cooling
 - d) The epidermis is destroyed or injured and a portion of the dermis maybe injured
16. Normal sinus rhythm has the following features except?
- a) P waves are present and regular.
 - b) Each P wave is followed by a QRS complex.
 - c) The atrial rate (p waves) is between 80 and 100b/min.
 - d) The P-R interval and QRS complex is within the established norms.
17. All the following are complications of aortic stenosis except?
- a) Dysrhythmias
 - b) Left-sided heart failure
 - c) Convulsions
 - d) Right-sided heart failure
18. Concerning Giant cell tumor of musculoskeletal system all the following are true except?
- a) Usually affects ages 20-40 years
 - b) Accounts for 4-5% of all benign tumors
 - c) Affects more males than females
 - d) Commonly found in femur, tibia or humerus
19. The following statements regarding multiple myeloma are true except?
- a) Common in persons above 40 years
 - b) They have poor prognosis
 - c) Accounts for over 27% of bone tumor
 - d) Affects females more than males

20. The following are management of Cushing's syndrome except?

- a) Decrease activities
- b) Monitor patient's mental health
- c) Treat the cause
- d) Gently soothe aches and pains

PART B (40 MARKS)

1. Describe postoperative management of a patient who had hypophysectomy due to hyperpituitarism (5 marks)
2. Describe the prevention measures of pediculosis. (5 marks)
3. State 5 nursing interventions of a patient suffering from aplastic anemia (5marks)
4. State 5 actual nursing diagnoses for a patient on cast (5 marks)
5. State nursing management of a patient with osteomyelitis (5 marks)
6. Describe nursing management of a patient with Idiopathic (Autoimmune) Thrombocytopenic Purpura (ITP) (5 marks)
7. Describe the nursing management of a patient with valvular heart disease (5 marks)
8. Describe management of a patient with myocarditis (5 marks)

PART C (40 MARKS)

1. Mrs white has been admitted with 60% burns, she is in emergent and resuscitative phase, using nursing process manage her
 - a) Describe the rule of nine in burns (5 marks)
 - b) Describe her nursing management using a nursing care plan (15 marks)
2. Mr Brown has been admitted in the coronary unit with heart failure
 - a) Describe the grading of heart failure according to New York Heart Association (8 marks)
 - b) Describe his medical and nursing management (12 marks)