

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR BACHELOR OF SCIENCE IN NURSING  
(UPGRADING)**

**NURU 265: MEDICAL-SURGICAL NURSING III**

**STREAMS: BSC (NURU) UPGRADING (Y2S2)**

**TIME: 2 HOURS**

**DAY/DATE: FRIDAY 09/7/2021**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS:**

1. Do not write anything on the question paper.
2. Mobile phones and any other reference materials are NOT allowed in the examination room.
3. The paper has three sections. Answer ALL questions.
4. All your answers for Section I (MCQs) should be on one page.
5. Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.
6. Write your answers legibly and use your time wisely

**PART I: MULTIPLE CHOICE QUESTIONS (20 MARKS)**

1. Conn's syndrome entails
  - a. Overproduction of cortisol
  - b. Overproduction of calcitonin
  - c. Overproduction of aldosterone
  - d. Overproduction of norepinephrine
2. The most common complication of osteoporosis is
  - a. Bone infection
  - b. Bone fracture
  - c. Bone pain
  - d. Anaemia

3. Osteomalasia is a disease characterized by
  - a. Inadequate mineralization of bone
  - b. Infection of bone
  - c. Reduced bone mass
  - d. Excessive osteoclastic activity
  
4. Initial treatment of contusions, strains, and sprains involves intermittent application of moist or dry cold packs. Cold temperature
  - a. Produces vasoconstriction
  - b. Relieves muscle spasms
  - c. Promotes vasodilation
  - d. Promotes repair
  
5. One of the indications of thyroidectomy is
  - a. Graves' disease
  - b. Pheochromocytoma
  - c. Myxedema
  - d. Cushing's syndrome
  
6. Which one is not a disorder of adrenal gland
  - a. Pheochromocytoma
  - b. Cushing's syndrome
  - c. Addison's disease
  - d. Graves' disease
  
7. Diagnostic Evaluation of hyperthyroidism includes
  - a. Elevation of thyroid peroxidase antibodies
  - b. Elevated TSH levels in primary hypothyroidism.
  - c. Elevation of serum cholesterol.
  - d. Sinus tachycardia

8. The following are clinical manifestations of hypothyroidism except
  - a. Fatigue
  - b. Weight loss
  - c. Cold intolerance
  - d. Severe constipation
  
9. Management of Type 2 Diabetes Mellitus includes Prevention and treatment of macrovascular complications. This is accomplished through the following except
  - a. Control of lipids
  - b. Smoking cessation
  - c. Aspirin therapy
  - d. Control of glycaemia
  
10. The pattern of bone fracture where one side of the bone is broken and the other side is bent is called
  - a. Greenstick
  - b. Comminuted
  - c. Spiral
  - d. Oblique
  
11. Which one is not an indication of Cast Application?
  - a. Immobilizing a body part in a specific position
  - b. Exerting uniform compression to the tissue
  - c. Providing early mobilization of the affected body part
  - d. Correcting deformities

12. Type 1 diabetes mellitus is caused by
  - a. Insulin resistance
  - b. Impaired insulin secretion and resistance
  - c. Increased glucose production
  - d. Complete or near-total insulin deficiency
  
13. The indications for lower extremity amputation includes the following except
  - a. Progressive peripheral vascular disease
  - b. Fulminating gas gangrene
  - c. Chronic osteomyelitis
  - d. Osteoporosis
  
14. Below-knee amputation is preferred to above-knee amputation because
  - a. The knee joint is important
  - b. The blood circulation is unaffected
  - c. Risk of infection is decreased
  - d. Phantom limb pain is minimal
  
15. Most patients with type I diabetes mellitus present with the following except
  - a. Polyuria
  - b. Polydipsia
  - c. Polyphagia
  - d. Weight gain
  
16. A malignant neoplasm of the musculoskeletal system is called
  - a. Glioma
  - b. Sarcoma
  - c. Fibroma
  - d. Neuroma

17. Contiguous-focus osteomyelitis results from
- Vascular insufficiency
  - Contamination from bone injury or open fracture
  - Blood borne spread of infection
  - Metastatic bone disease
18. The following are clinical manifestations of hypothyroidism except
- Fatigue
  - Weight loss
  - Cold intolerance
  - Severe constipation
19. Management of Type 2 Diabetes Mellitus includes Prevention and treatment of macrovascular complications. This is accomplished through the following except
- Control of lipids
  - Smoking cessation
  - Aspirin therapy
  - Control of glycemia
20. Non-pharmacological treatment of hyperglycemia entails
- Oral glucose lowering agents and Education
  - Physical activity and diet
  - Oral hypoglycemic agents and Physical activity
  - Insulin and diet

**PART I: SHORT ANSWER QUESTIONS (30mks)**

- State eight (8) factors that Inhibit Fracture healing (8 marks)
- Explain four (4) possible causes of Cushing's syndrome. (8 marks)
- Explain four (4) ways of preventing Osteomyelitis (8 marks)
- Describe the nursing management of a patient with adrenal crisis (6 marks)

**PART III: LONG ANSWER QUESTION (20mks)**

1. Mrs Mwongera, 58years old has been complaining of low back pain for the last one year. She had been diagnosed with chronic low back pain.
    - i) Describe the physical examination that should be done on a patient with low back pain (6 marks)
    - ii) Explain the health education that should be given to patients with low back pain (14 marks)
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