

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR BACHELOR OF SCIENCE IN NURSING**

**NURU 265: MEDICAL SURGICAL 111**

**STREAMS: Y2S2**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 06/12/2018**

**2.30 P.M – 4.30 P.M**

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**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 the 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

**Multiple choice questions (20marks).**

1. The following manifestations are caused by excess mineralocorticoids EXCEPT.
  - a) Edema
  - b) Hypertension
  - c) Hypokalemia
  - d) Hyperkalemia
2. Which statement is NOT a cause of Osteomyelitis?
  - a) Long term intravenous (IV) catheters
  - b) Salmonella infections of the GIY
  - c) Animal bite clients undergoing short term hemodialysis.

3. In Osteoporosis compression fractures are the most common and involve the following EXCEPT:-
  - a) Colles' fractures of the wrist
  - b) Knee fractures
  - c) Hip fractures
  - d) The thoracic and lumbar spine
4. Diet is known to influence the balance between bone resorption and formation. Which statement best describes this?
  - a) To maintain adult bone mass, calcium absorption of approximately 1000-1300mg daily is essential.
  - b) Absorption of 1000- 1200mg of calcium daily is essential to maintain adult bone bone mass.
  - c) Calcium of above 1200mg is essential to maintain adult bone mass
  - d) A diet of approximately 1000- 1200mg of calcium daily is essential to maintain adult bone mass
5. An adult patient admitted with chronic complications of Diabetes Mellitus presents with following EXCEPT:
  - a) Retinopathy
  - b) Peripheral vascular diseases
  - c) Ketoacidosis
  - d) Coronary artery disease
6. Joint stiffness can result from the following
  - a. Compartment syndrome
  - b. Edema
  - c. Mal union
  - d. Re fracture
7. The following are characteristics of thyroid storm (crisis) EXCEPT.
  - a) Diarrhea

- b) Dehydration
  - c) Bradycardia
  - d) Delirium
8. Most clients come to a health care provider seeking assistance with musculoskeletal complaints because of:
- a. Obvious defects
  - b. Limitation of movement
  - c. Increased flexibility
  - d. Decreased pain
9. Increased values of human gonadotrophic hormone (hGH) may be associated with the following medications except:
- a) Insulin
  - b) Oral contraceptives
  - c) Bromocriptine
  - d) Glucagon
10. The following hormones inhibit bone loss except:
- a) Calcitonin
  - b) Testosterone
  - c) Progesterone
  - d) Estrogen
11. Which of the following hormones is produced by adenohypophysis
- a) Vasopressin
  - b) Oxytocin
  - c) Antidiuretic hormone
  - d) Prolactin
12. Which of the following is a tropic hormone
- a) Growth hormone
  - b) Prolactin

- c) Follicle stimulating hormone
- d) Antidiuretic hormone

13. zona fasciculata secretes the following hormone

- a) Mineralcorticoids
- b) Glucocorticoids & cortisol
- c) Estrogen
- d) Progesterone

14. In the Treatment of contusions, strains, and sprains cold is used to:-

- a) Reduce edema
- b) Relieve muscle spasm
- c) Promote absorption
- d) Promote repair

15. The following are Patterns of Fracture EXCEPT

- a) Greenstick
- b) Comminuted
- c) Compound
- d) Oblique

16. Patients with open fractures are at a risk of developing the following EXCEPT

- a) Tetanus
- b) Osteoarthritis
- c) gas gangrene
- d) Osteomyelitis

17. The human body has

- a) 36 anatomic compartments
- b) 42 anatomic compartments

- c) 32 anatomic compartments
  - d) 46 anatomic compartments
18. Choose the most correct statement about Paget's Disease
- a) It affects 12% before age 80yrs of age
  - b) It mostly affects short bones
  - c) The cause is associated with blood-borne bacterias
  - d) It is rare before age 40years of age
19. Indications for thyroidectomy include the following EXCEPT
- a) Graves' disease
  - b) Large goiters
  - c) Thyrotoxic crisis
  - d) Adenomas/thyroid cancer
20. An example of a Biguanides used to treat type diabetes mellitus include
- a) Metformin
  - b) Glimepiride
  - c) Tolbutamide
  - d) Acarbose

**SHORT ANSWER QUESTIONS (30MARKS).**

1. State five (5) Clinical manifestations of thyroid storm (5marks)
2. Formulate five (5) nursing diagnosis for a patient who has undergone amputation. (5marks)
3. State six(6) causes of Osteomyelitis (6marks)
4. State eight (8) factors that Inhibit Fracture Healing (8marks)
5. State six (6) risk Factors for Osteoporosis (6marks)

**LONG ANSWER QUESTIONS 20MARKS)**

1. Mr. Y is admitted in medical ward with a diagnosis of hypothyroidism.
  - a. State six (6) clinical Manifestations of hypothyroidism (6marks )

- b. State four (4) causes of hypothyroidism. (4marks)
  - c. List eight (8) Complications of Hypothyroidism (4marks)
  - d. Describe the nursing management of Myxedema Coma. (6 marks)
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