

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF SCIENCE IN NURSING

NURU 265: MEDICAL SURGICAL III

STREAMS: Y2S2

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

8.30 A.M - 10.30 P.M.

INSTRUCTIONS:

- Do not write anything on the question paper.
- Mobile phones and any other reference materials are NOT allowed in the examination room.
- The paper has THREE sections. Answer **ALL** Questions
- All your Answers for section I (MCQs) should be on the first page of the answer booklet.
- Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the Examination answer booklet.
- Write your answers legibly and use your time wisely

SECTION A: MULTIPLE CHOICE QUESTIONS [10 MARKS]

1. The following manifestations are as a result of excess androgens except
 - A. Clitoris enlargement
 - B. Breast hypertrophy
 - C. Loss of libido
 - D. Breast atrophy
2. Which statement is true about thyroid hormones?
 - A. Free T3 is 30-100 times more biologically active than T4
 - B. Disturbances of the normal homeostatic mechanism only occurs at the level of the pituitary gland and thyroid gland
 - C. More than 99.9% of T4 and T3 in the peripheral circulation is bound to plasma proteins and is inactive
 - D. Synthesis of thyroid hormone does not always require iodine
3. The following are common causes of pituitary hyper function except:
 - A. Adrenocorticotrophic hormone (ACTH)
 - B. Autoimmune stimulation
 - C. Pituitary adenoma, which can cause hypo secretion of prolactin
 - D. Growth hormone

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4. What statement is most correct in diagnostic test to determine the presence of excess growth hormone
 - A. In acromegaly, the (hCG) level is greater than 10ng/dL
 - B. The glucose suppression test involves measuring GH before administration of 100g of glucose
 - C. Serum growth hormone (hGH), IGF-1, and GH suppression test. Normally growth hormone (hGH) is greater than 5ng/mL or 226 pmol/L in women.
 - D. Increased values of hGH may be associated with certain medications like insulin, levodopa and bromocriptine (perlodol)

5. The following manifestations are caused by excess mineralocorticoids except
 - A. Edema
 - B. Hypertension
 - C. Hypokalemia
 - D. Hyperkalemia

6. Which statement is not a cause of Osteomyelitis?
 - A. Long term intravenous (IV) catheters
 - B. Salmonella infections of the GIY
 - C. Anima bite
 - D. Clients undergoing short term hemodialysis

7. Which statement is most correct about causative agents of Osteomyelitis?
 - A. Over 50% of bone infections are caused by staph aureus
 - B. Gram-positive organisms like streptococci and salmonella
 - C. Gram-negative organisms like Klebsiella, salmonella and enterococci
 - D. ALL the above

8. 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

9. Which statement is most correct about causes of Osteomalacia
 - A. Disorders of Vitamin D metabolism (anticonvulsant therapy, chronic renal failure)
 - B. Chronic pancreatic insufficiency, gastrectomy, malabsorption
 - C. ALL the above
 - D. None of the above

10. Diet is known to influence the balance between bone resorption and formation. Which statement best describes this?
- A. Absorption of 1000-1200 mg of calcium daily is essential to maintain adult bone mass
 - B. Calcium of above 1200 mg is essential to maintain adult bone mass
 - C. A diet of approximately 1000-1200mg of calcium daily is essential to maintain adult bone mass
 - D. To maintain adult bone mass, calcium absorption of approximately 1000-1300mg daily is essential
11. Which of the following hormones is produced by anterior pituitary gland
- A. Vasopressin
 - B. Oxytocin
 - C. Antidiuretic hormone
 - D. Prolactin
12. An adult patient admitted with chronic complications of Diabetes Mellitus presents with following except:
- A. Ketoacidosis
 - B. Retinopathy
 - C. Peripheral vascular diseases
 - D. Coronary artery disease
13. Joint stiffness can result from the following
- 1. Compartment syndrome
 - 2. Edema
 - 3. Mal union
 - 4. Re fracture
14. The following are characteristics of thyroid storm (crisis) except
- A. Diarrhoea
 - B. Dehydration
 - C. Bradycardia
 - D. Delirium
15. Which of the following is not a risk factor for septic arthritis
- A. Previous trauma
 - B. Long term corticosteroid therapy
 - C. Coexisting arthritis
 - D. All the above
16. Most clients come to a health care provider seeking assistance with musculoskeletal complaints because of:
- A. Obvious defect
 - B. Limitations of movement
 - C. Increased flexibility
 - D. Decreased pain

- 17. Physical assessment technique used during the musculoskeletal system assessment include:
 - A. Palpation and auscultation
 - B. Inspection and range of motion
 - C. Observation and auscultation
 - D. Interview and palpation

- 18. Which statement is not correct regarding Paget's disease?
 - A. It is rare before age 40 years and increases with age
 - B. May be caused by viruses
 - C. Affects short bones, lumbar vertebrae, pelvis, and skull predominantly
 - D. Its cause is unknown, though associated with familial tendency

- 19. Increased values of human gonadotrophic hormone (hGH) may be associated with the following medications except:
 - A. Insulin
 - B. Oral contraceptives
 - C. Bromocriptine
 - D. Glucagon

- 20. The following hormones inhibit bone loss except:
 - A. Calcitonin
 - B. Testosterone
 - C. Progesterone
 - D. Estrogen

SECTION B: SHORT ANSWER QUESTIONS. [30 MARKS]

- 1. State eight (8) clinical manifestations caused by excess glucocorticoids. [8Marks]

- 2. State five (5) nursing diagnosis for a patient who has undergone amputation. [5 Marks]

- 3. State seven (7) clinical manifestations of Cushing's syndrome in women caused by excess androgens. [7 Marks]

- 4. State five (5) causes of Addison's disease. [5 Marks]

- 5. State five (5) clinical manifestations of acromegaly. [5 Marks]

SECTION C: LONG ANSWER QUESTION [20 MARKS]

- 1. Mrs. Ouma is admitted in the ward with a diagnosis of Low Back Pain and Sciatica.
 - (a) State five (5) risk factors of Low Back Pain and Sciatica [5 Marks]
 - (b) Describe her medical management for the first 24 hours. [15 Marks]

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