

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

NURS 364/NURU 265: MEDICAL SURGICAL III

STREAMS: Y2S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 06/12/2019

11.30 A.M. – 1.30 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 (3) sections. Answer ALL questions.**
- **All your answers for section I (MCQs) should be on one page.**
- **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.**

MULTIPLE CHOICE QUESTIONS (20 MARKS)

1. Anterior Pituitary gland secretes
 - (a) 9 hormones
 - (b) 4 hormones
 - (c) 2 hormones
 - (d) 7 hormones

2. All the following are tropic hormones
 - (a) thyroid-stimulating hormone and growth hormone
 - (b) prolactin and adrenocorticotrophic hormone
 - (c) follicle-stimulating hormone and thyroid-stimulating hormone
 - (d) luteinizing hormone and growth hormone

3. The following manifestations are as a result of excess androgens **except**
 - (a) Clitoris enlargement
 - (b) Breast hypertrophy
 - (c) Loss of libido
 - (d) Breast atrophy

4. Which statement is true about thyroid hormones?
 - (a) Free T3 is 30-100 times 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.

5. Corticosteroids are used extensively for:
 - (a) Adrenal insufficiency
 - (b) Suppressing all inflammatory reactions
 - (c) Controlling allergic reactions
 - (d) Reducing the rejection process in transplantation

6. A systemic condition that causes formation of new retinal blood capillaries, retinal oedema due to leakage from blood capillaries is:
 - (a) Graves' disease
 - (b) Hypertension
 - (c) Diabetes mellitus
 - (d) Cytomegalovirus retinitis

7. Which 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 the 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 226pmol/L in women.
 - (d) Increased values of hGH may be associated with certain medications like insulin, levodopa and bromocriptine (perlodol).

8. Which statement is not a cause of Osteomyelitis?
 - (a) Long term intravenous (IV) catheters

- (b) Salmonella infections of the GIT
 - (c) Anima bite
 - (d) Clients undergoing short term hemodialysis
9. 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
10. Diet is known to influence the balances between bone resorption and formation. Which statement best describes this?
- (a) Absorption of 1000-1200mg of calcium daily is essential to maintain adult bone mass.
 - (b) Calcium of above 1200mg 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 hormone 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
- (a) Compartment syndrome
 - (b) Edema
 - (c) Mal Union
 - (d) Re fracture

14. The following are characteristics of thyroid storm (crisis) except.
- (a) Diarrhea
 - (b) Dehydration
 - (c) Bradycardia
 - (d) Delirium
15. Which of the following is not a risk factor for septic arthritis.
- (a) Previous
 - (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 defects
 - (b) Limitation of movement
 - (c) Increased flexibility
 - (d) Decreased pain
17. Physical assessment techniques 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 hormone inhibit bone loss except:

- (a) Calcitonin
- (b) Testosterone
- (c) Progesterone
- (d) Estrogen

SHORT ANSWER QUESTIONS (30 MARKS)

1. State seven (7) clinical manifestations causes by excess glucocorticoids. (7 marks)
2. Formulate five (5) nursing diagnosis for a patient who has undergone amputations. (5 marks)
3. Briefly explain seven (7) clinical manifestations of Cushing’s syndrome in women caused by excess androgens. (7 marks)
4. Outline six (6) preventive measures of Osteomyelitis. (6 marks)
5. Explain five (5) risk factors of Low Back Pain and Sciatica. (5 marks)

LONG ANSWER QUESTIONS (20 MARKS)

1. Mrs. Ouma is admitted in the ward with a diagnosis of hyperthyroidism for thyroidectomy.
 - (a) Explain six (6) clinical manifestations of hyperthyroidism. 6 marks)
 - (b) Describe the surgical management of Mrs. Ouma. (12 marks)
 - (c) List four (4) complications of Thyroidectomy. (2 marks)
-