

Master Degree

All questions are to be answered, 15marks for each question

1. Give an account on claw hand.
2. Mention causes of low back pain and discuss one of them.
3. Give an account on acroparaesthesia of the feet.

Best wishes.

M.Sc Degree, 2nd Paper (new)

All questions are to be answered, 45marks for each question

1. Enumerate complication of immobilization.
2. Give an account on;non-surgical treatment of spasticity..
3. Discuss role of electrodiagnosis in a case of foot drop.
4. Give an account on hyperbaric oxygen therapy.
5. Discuss electro diagnosis of
 - a) motor neuron disease.
 - b) polymyositis
6. Discuss :
 - a) Normal and abnormal compound motor action potential.
 - b) blink reflex findings in facial palsy.

Best wishes.

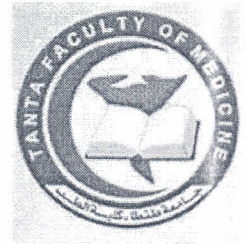
Master Degree, 1stPaper (old 2005)

All questions are to be answered, 25 marks for each question

1. Discuss rehabilitation of the Patient with peripheral polyneuropathy.
2. Give an account on rehabilitation of spastic foot drop
3. Give an account on criteria for diagnosis of:
 - a) Sjogren syndrome .
 - b) Systemic lupus erythematosus.
4. Discuss types of osteoporosis with short notes on its treatment

Best wishes.

Tanta University ----- Internal Medicine Exam
Faculty of Medicine ----- Master of Science in physical medicine
Internal Medicine Department ----- No. of Questions: 13
Date: 24/8/2021 ----- Time allowed: 3 hours



- 1- Differential diagnosis of acute monoarthritis? (5 marks)
- 2- Curable hypertension? (10 marks)
- 3- Panhypopituitarism, causes and differential diagnosis?
(10 marks)

(10 MCQ, 2 marks each)

1. 1-A patient with type 2 diabetes mellitus is started on sitagliptin. What is the mechanism of action of sitagliptin?

- A. Incretin inhibitor
- B. Dipeptidyl peptidase-4 (DPP-4) inhibitor
- C. Alpha-glucosidase inhibitor
- D. Glucagon inhibitor
- E. Glucagon-like peptide-1 (GLP-1) mimetic

2. 2-Which one of the following may be associated with galactorrhoea?

- A. Primary hypothyroidism
- B. Addison's disease
- C. Cushing's syndrome
- D. Grave's disease
- E. Bromocriptine

3. A 70-year-old woman has had three bouts of haematemesis. She is dizzy, confused, and hallucinating. She is a non-smoker but admits to heavy alcohol use since her husband died 15 years previously.

T 36.5°C, HR 120bpm, BP 85/55mmHg.

Her abdomen is distended and tense and demonstrates shifting dullness.

Which is the single most likely diagnosis?

- A. Erosive oesophagitis
- B. Oesophageal carcinoma
- C. Oesophageal varices
- D. Perforated gastric ulcer

4. The earliest and most common metabolic abnormality in hepatic encephalopathy is:

- A. Respiratory alkalosis
- B. Metabolic alkalosis
- C. Respiratory acidosis
- D. Metabolic acidosis

5. The outstanding feature of idiopathic thrombocytopenic purpura (ITP) is:

- A. Fever
- B. Gum bleeding
- C. Presence of sternal tenderness
- D. Moderate splenomegaly

6. Which of the following is false regarding oedema in congestive cardiac failure?

- A. Initially noticed in the morning
- B. Starts in the dependent part
- C. Pitting oedema
- D. Sacral oedema in non-ambulatory patients

7. **Lupus nephritis is treated by all except:**
- A. Interferon
 - B. Glucocorticoids
 - C. Azathioprine
 - D. Cyclophosphamide
8. **In Churg-Strauss syndrome, the principal organ involved is:**
- A. Lung
 - B. Kidney
 - C. Central nervous system
 - D. Liver
9. **All are true in acute renal failure (ARF) except:**
- A. increased Urea
 - B. increased H concentration
 - C. increased Ca
 - D. increased K
10. **Which is not used to treat acute gouty arthritis?**
- A. Etoricoxib
 - B. Allopurinol
 - C. Prednisolone
 - D. Colchicine

سيتم بمشيئة الله عقد الامتحان العملي والشفوي

يوم الأحد الموافق ٢٩ أغسطس ٢٠٢١ الساعة الثامنة صباحاً

بمستشفى الامراض الباطنة



Department of physiology
Time allowed: Three hours
Total marks: 45

Physiology
MSC Physical Medicine

Tanta University
Faculty of Medicine
Code: PRR 8001
Date: 22 / 8/ 2021

All the questions must be answered:

- 1- State : Supraspinal centers facilitating muscle tone. (10 marks)
- 2- Discuss : Causes and manifestations of lower motor neuron lesion. (10 marks)
- 3- Define : Mechanical efficiency of skeletal muscle and factors affecting it. (10 marks)

All the following must be answered by only one choice (15 marks)

1- which of the following is function of glucocorticoids:

- a. Decrease blood glucose level.
- b. Decrease plasma level of fatty acids.
- c. Increase number of RBCs.
- d. Decrease blood volume .

2- Which of the following is somatic reaction to pain:

- a. Increase heart rate.
- b. Hyperalgesia.
- c. Flexion withdrawal reflex.
- d. Decrease arterial blood pressure.

3- Which of the following could induce hypoxic hypoxia:

- a. Alcohol poisoning.
- b. CO poisoning.
- c. Alveo-capillary block.
- d. Cyanide poisoning.

4- Which of the following contain nicotinic receptors :

- a. Heart.
- b. Lung.
- c. Adrenal medulla.
- d. Salivary glands.

5- Stimulation of muscarinic receptors induce:

- a. Increase heart rate.
- b. Increase gastric evacuation.
- c. Coronary vasodilatation.
- d. Bronchodilatation.

6- Which of the following stimulate secretion of erythropoietin:

- a. Acidosis.
- b. Alkalosis.
- c. Estrogen.
- d. Increase arterial PO_2 .

7- Which of the following could increase venous return:

- a. Venodilatation.
- b. Arteriolar dilatation.
- c. Positive intrapleural pressure.
- d. Vasoconstriction to arterioles.

Look to back

8- Which of the following induced by stimulation of alpha 1 adrenergic receptors :

- a. Increase heart rate .
- b. Bronchoconstriction.
- c. Vasoconstriction to blood vessels.
- d. Bronchodilatation.

9- Which of the following could stimulate aldosterone secretion:

- a. Hypervolemia.
- b. Hypoproteinemia.
- c. Increase blood potassium level.
- d. Decrease blood potassium level.

10- Which of the following is function of heparin :

- a. Antiprothrombin.
- b. Activate prothrombin.
- c. Inhibit activity of platelets.
- d. Inhibit activity of vitamin K.

11- Which of the following could increase capillary permeability:

- a. Acidity of blood.
- b. Alkalinity of blood.
- c. Increase plasma protein level.
- d. Increase blood calcium level.

12- Increase arterial blood pressure could induce which of the following.

- a. Increase end diastolic volume.
- b. Increase heart rate.
- c. Increase secretion of aldosterone.
- d. Increase secretion of antidiuretic hormone.

13- Which of the following could increase peripheral vascular resistance :

- a. Anemia.
- b. Vasodilatation of arterioles.
- c. Increase heart rate.
- d. Increase blood viscosity.

14- Which of the following could induce metabolic acidosis:

- a. Restrictive lung disease.
- b. Hyperventilation.
- c. Hypoventilation.
- d. Renal failure.

15- Which of the following is CORRECT as regard blood PH:

- a. Inversely proportionate with arterial HCO_3 .
- b. Directly proportionate with arterial PCO_2 .
- c. Normally equal 7.1 for arterial blood.
- d. Directly proportionate with arterial HCO_3 .

إمتحان الشفهي يوم السبت 2021/8/28 في قسم الفسيولوجي التاسعة صباحا

Tanta University
Faculty of Medicine
Human Anatomy & Embryology Dep.
Date: 22/8/2021
Number of Questions: 5

Master of Physical Medicine

Time Allowed: 3 Hours
Total: 60 Marks



PHYSICAL MEDICINE

All questions to be answered

- 1- **ENUMERATE** the movements occur in the **ankle** joint and mention the muscles responsible for each movement and their nerve supply. (12 marks)
- 2- **COMPARE** between the **knee** and **elbow** joints as regard the type, movements and stability factors with explanation. (12 marks)
- 3- **WHAT** are the joints connecting the first and second **cervical** vertebrae and describe these joints? (12 marks)
- 4- **Discuss** the three **cerebral** arteries; their origin and branches to the brain. (12 marks)
- 5- **Discuss** the deep cranial nuclei of the **vagus** nerve and describe its course and branches in the neck. (12 marks)

END OF THE EXAM

Oral & Practical Examination:

On Tuesday 31 at 10 o'clock in the Anatomy Department (Second floor)

WITH Our BEST WISHES

Committee of Examination: *Prof. Dr. Amal Halawa, Prof. Dr. Mona Attia, Prof. Dr. Manal Elsayaf, Prof. Dr. Doaa Haiba, Assis Prof. Dr. Emad Mishriki, Assis Prof. Dr. Remoon Aziz*

Master Degree

All questions are to be answered, 15marks for each question

1. Compare between Galvanic and Faradic currents.
2. Give an account onelectroanalgesia.
3. Give an account on types, indications, and contra-indications of hyperbaric oxygen.

Best wishes.

Master Degree, 2nd Paper (old 2005)

All questions are to be answered, 25 marks for each question

1. Give an account on:
 - a) Late responses.
 - b) Electro diagnosis of foot drop
2. Discuss
 - a) Indications, contraindications, and precautions of shock wave therapy
 - b) Contraindication of hyperbaric oxygen therapy
3. Give an account on
 - a) Cervical collars
 - b) Rehabilitation of facial nerve palsy complications
4. Discuss electro diagnosis of sciatic nerve injury at different levels

Best wishes.

M.Sc Degree, 1stPaper (new)

All questions are to be answered, 45marks for each question

1. Discuss in short covid 19 with rheumatological diseases.
2. Give an account on causes of shoulder pain.
3. Discuss classification and clinical picture of juvenile idiopathic arthritis.
4. Give an account on :
 - A-Contraindications to local steroid injections.
 - B-Important causes of childhood hip pain.
5. Classification criteria of:
 - A. Antiphospholipid syndrome
 - B. Fibromyalgia
6. Discuss rehabilitation of knee with recent anterior cruciate ligament repair.

Best wishes.