



Department of physiology

Time allowed: Three hours

Total marks: 30

Physiology

MSC of Neurosurgery

Tanta University

Faculty of Medicine

Code: NEUROS 8002

Date: 23/3/ 2021

All the questions must be answered:

1. State : Functions of motor area 4. (5 marks)
2. Mention : Causes of headache. (5 marks)
3. Enumerate : Supraspinal center inhibiting muscle tone. (5 marks)

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

1. Pulse pressure normally equal:
a. 70 mmHg. b. 120 mmHg. c. 40 mmHg. d. 90 mmHg.
2. Stimulation of beta 2 adrenergic receptor induce :
a. Miosis. c. Bronchodilatation.
b. Bronchoconstriction. d. Decrease heart rate .
3. Function of thrombin is to convert:
a. Fibrin to fibrinogen. c. Fibrinogen to fibrin
b. Tissue factor to prothrombin. d. Tissue factor to fibrinogen.
4. Intrinsic mechanism of blood coagulation start by activation of factor :
a. VIII. b. X. c. XII. d. III.
5. Capillary permeability is increased by
a. Insulin.
b. Histamine.
c. Calcitonin.
d. Alkaline blood.
6. Venodilatation could induce:
a. Increase venous return. c. Increase cardiac output
b. Decrease venous return. d. Decrease heart rate.
7. Irreversible shock induce:
a. Increase sympathetic activity. c. Increase cardiac output.
b. Increase capillary permeability. d. Decrease capillary permeability

Look to back

M. Sc. Neurosurgery Exam. حديث

Pharmacology department
Faculty of Medicine
Tanta University
5 pages

Date: 23 -3-2021
Time allowed: 1 hour
Number of Questions: 30
Total : 30 marks



Answer all the following questions

1. Morphine is used in which one of the following conditions?
 - a. Myalgia
 - b. Cholecystectomy postoperative pain
 - c. Head injury
 - d. Neurogenic shock
2. Which one of the following is expected adverse effect of morphine
 - a. Tachycardia
 - b. Diarrhea
 - c. Vomiting
 - d. Urinary incontinence
3. Which of the following is opioid partial agonists (mixed agonist antagonists)
 - a. Methadone
 - b. Pentazocine
 - c. Meperidine
 - d. Fentanyl
4. Which one of the following drugs is used in the treatment of acute opioid overdose
 - a. Meperidine
 - b. Fentanyl
 - c. Naloxone
 - d. Codeine
5. Which of the following group of antibiotics may cause teeth & bone abnormalities if taken during pregnancy & early childhood?
 - a. Sulfonamides
 - b. Aminoglycosides
 - c. Tetracyclines
 - d. Cephalosporines
6. Which one of the following fluoroquinolones is effective against anaerobes?
 - a. Gatifloxacin
 - b. Ciprofloxacin
 - c. Norfloxacin
 - d. Levofloxacin

7. Which one of the following can be used in treatment of neuropathic pain due to spinal cord injury
- Buspirone
 - Pregabalin
 - Phenobarbitone
 - Amantadine
8. Which of the following **lab test** should be performed frequently during heparin treatment **to predict a serious adverse effect** of this drug
- Prothrombin time
 - Fibrinolysis time
 - Red blood cell count
 - Platelet count
9. Which one of the following is oral direct factor X inhibitor
- Sodium citrate
 - Dabigatran elixalate
 - Bivalirudine
 - Rivaroxaban
10. Which one of the following acts by selective activation of plasminogen bound to fibrin at the site of clot?
- Heparin
 - Streptokinase
 - Recombinant tissue plasminogen activator (Alteplase)
 - Warfarin
11. Which one of the following agents can be used to prevent rebleeding from intracranial aneurysm
- Tranexamic acid
 - Ticlopidine
 - Abciximab
 - Dabigatrin
12. Which of the following anticholinergic agents is preferred in Pre-anesthetic medication
- Pirenzepine
 - Hyoscine
 - Tropicamide
 - Ipratropium

13. Which of the following is the drug of choice in treatment of status epilepticus
- Ethosuximide
 - Pregabalin
 - Carbamazepine
 - Diazepam
14. Which one of the following agents is administered with ergotamine in treatment of acute attack of migraine headache to produce synergistic vasoconstriction and increase oral absorption of ergotamine
- Clonidine
 - Caffeine
 - Propranolol
 - Flunarizine
15. Local anesthesia block which of the following ion channels ?
- Sodium channels
 - Calcium channels
 - Potassium channels
 - Non of the above
16. Which one of the following is a common Side effect of spinal anesthesia
- Deep vein thrombosis
 - Headache
 - Malignant hyperthermia
 - Hypertension
17. Which one of the following is used in treatment of malignant hyperthermia?
- Hyoscine
 - Succinylcholine
 - Dantrolene
 - Atropine
18. Which one of the following blocks the effect of excitatory neurotransmitters on NMDA receptors and produces dissociative anesthesia ?
- Mepivacaine
 - Lidocaine
 - Ketamine
 - Nitrous oxide
19. All of the following are therapeutic uses of benzodiazepines except ?
- Anxiety
 - Pre anesthetic medication
 - Congenital hyperbilirubinemia
 - Treatment of muscle spasm

20. Acute toxicity of Benzodiazepines is treated by which one of the following (specific antidote)?
- Phenobarbital
 - Flumazenil
 - Buspiron
 - Zolpizem
21. Thiopental sodium can be used in which of the following?
- Infiltration anesthesia
 - induction of general anesthesia
 - Peanesthetic medication to Reduce acidity of gastric contents
 - Maintenance anesthesia by Inhalation
22. The diuretic which Reduces cellular edema and intracranial pressure and can be used in Acute congestive glaucoma and Cerebral edema is?
- Mannitol
 - Amiloride
 - Hydrochlorothiazide
 - Furosemide
23. Which one of the following **Teratogenic effect** is expected if a pregnant woman treated with Valproic acid
- Phocomelia
 - Cleft palat
 - Neural tube defects
 - Cardiac septal defects
24. Which one of the following describe the action of Sodium nitroprusside
- Angiotensin II receptor blocker
 - Very powerful mixed vasodilator
 - Adrenergic neuron depressant
 - Ca² channel blocker
25. A diabetic patient with sever hyperglycemia. Select one of following insulin preparations can be given to her by IV route in emergency,
- Glargine
 - Regular
 - Neutral protamine Hagedorn (NPH)
 - Detemir
26. Which of the following is a highly selective COX-2 inhibitor analgesic ?
- Aspirin
 - Ibuprofen
 - Celecoxib
 - Diclofenac

27. NSAIDs e.g. Ibuprofen side effects include which of the following conditions?
- a. Osteoporosis
 - b. Peptic ulcer
 - c. Myalgia
 - d. Leukemia
28. A 50-year-old woman is being treated for hypertension . She complains of Dry irritant cough and angioedema Which one of the following antihypertensive drugs is the most likely cause these adverse effects?
- a. Losartan
 - b. Captopril
 - c. Atenolol
 - d. Nifedipine
29. Which one of the following is an action of Glucocorticoids?
- a. Hypoglycemia
 - b. Anti-inflammatory
 - c. Hyperkalemia
 - d. Hypotension
30. Which one of the following is a prokinetic agent ?
- a. Hyoscine
 - b. Itopride
 - c. Pirenzepine
 - d. Ondansetron

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GOOD LUCK

امتحان الشفوى الاربعاء ٢٤/مارس / ٢٠٢١ العاشره صباحا

Tanta University

Faculty Of Medicine

Department of Medical Biochemistry

First Part Exam

23-3-2021

Surgery M.S. Exam

Write short notes about:

- 1. Biochemical changes in obstructive jaundice.**
- 2. Thyroid function tests**
- 3. Give an account on :**
 - a. Amylase**
 - b. CEA**
 - c. Ig G.**

Good Luck

سيتم عقد الامتحان الشفوي يوم الاثنين ٥-٤-٢٠٢١ الساعة العاشره صباحا.



Department of physiology
Time allowed: Three hours
Total marks: 30

Physiology
MSC General Surgery

Tanta University
Faculty of Medicine
Code: SURG 800
Date: 23/3/ 2021

All the questions must be answered:

- 1- State : effects of incompatible blood transfusion. (5 marks)
- 2- Mention : Functions of HCl. (5 marks)
- 3- State : Manifestations of thyroid hyperfunction. (5marks)

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

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a. 70 mmHg. b. 120 mmHg. c. 40 mmHg. d. 90 mmHg.
- 2- Stimulation of beta 2 adrenergic receptor induce :
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Look to back

Examination for Master Degree in: General surgery

Term: February

Time Allowed: 3 h

Total Assessment Marks: 60 marks



Tanta University
Faculty of Medicine
Department of: Histology
Course title: Histology
Date: 21/ 3 /2020

Answer the following questions and illustrate your answers with labeled diagrams. (Each question 10 marks).

Q1 – Enumerate membranous organelles and describe the structure and function of SER.

Q2 – Mention granular leucocytes and discuss one of them.

Q3 – Describe the histological structure of the thyroid gland.

Q4 – Give an account on the epithelial cells of intestinal villi.

Q5- Discuss the histological structure of the Sertoli cell.

Q6 – Compare between the histological structure of lymph node and spleen.

NB: The oral exam will be on Sunday 21 / 3/2021 at 1:15 PM.

GOOD LUCK

Chairman of Department

Prof Dr. NAGLA EBRAHIM SARHAN

Tanta University

Master of Science in General surgery

Faculty of Medicine

Anatomy Examination

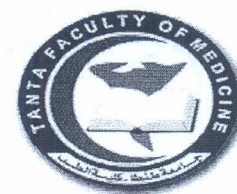
Human Anatomy & Embryology Dep.

Number of Questions: 5

21 /3/2021

Time Allowed: 3 Hours

Total: 60 Marks



GENERAL SURGERY

All questions to be answered

Illustrate your answer with diagram whenever possible:

1. **Mention** important relation of **pharyngeal constrictor muscles**.
Enumerate derivatives of pharyngeal pouches. **(9 marks)**
2. **A. Describe** the posterior relations of the stomach and **identify** its surface anatomy. **(6 marks)**
B. Mention the walls of the ischioanal fossa, **its contents** and **describe** **outline** its clinical anatomy. **(5 marks)**
C. Discuss course and relations of the second part of the duodenum with its blood supply. **(4 marks)**
3. **A. Discuss** the beginning, course, termination, and branches of brachial artery. **(6 marks)**
B. Mention the beginning, course, end and tributaries of the saphenous veins and **outline** their applied anatomy. **(6 marks)**
4. **A. Enumerate** different layers of deep cervical fascia. **Define** fascial cervical spaces and their clinical significance. **(6 marks)**
B. Discuss the beginning, course, termination and branches of facial artery. **(8 marks)**
5. **Describe** the anatomy of the pleura (parts, pleural recesses. blood supply, and nerve supply). **(10 marks)**

END OF THE EXAM

Oral and Practical Examination:

On 4/4/2021 in the anatomy department (the second floor)

WITH MY BEST WISHES

Committee of the Examination: Prof. Dr. Amal Halawa, Prof Dr. Maysa Fahmy, A.Prof Dr. Rabab Amer.

Examination for Master Degree in: General surgery
Term: February
Time Allowed: 3 h
Total Assessment Marks: 60 marks



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Faculty of Medicine
Department of: Histology
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