

Date:15/2/2017

Examination For MSC Neuro-Surgery

Term: Final

Course title: Physiology

Time Allowed: Three Hours

All questions are to be answered:

1-Discuss types of hemorrhage and shock. (10marks)

2-Give short account on anemia and hemorrhagic disorders. (10 marks)

3 -Choose the most probable answer: (10 marks)

**1-Prolonged coagulation time in obstructive jaundice is due to:**

- a)Deficiency of bile pigments
- b)Decrease the formation of plasma protein
- c)Vitamin K deficiency
- d)Iron deficiency

**3-Suprarenal cortical hormones are:**

- a)Amino acids
- b)Polypeptides
- c)Steroids
- d)None of the above

**5- Platelets deficiency resulted in:**

- a) Prolonged coagulation time
- b)Purpura
- c)Hemophilia
- d) Anemia

**7-Which of the following would suggest a diagnosis of thyrotoxicosis:**

- a)Pulse rate of 65/minute
- b)An increased body weight
- c)A poor appetite
- d) A raised plasma T<sub>3</sub>&T<sub>4</sub> concentration

**9-Infantile thyroid deficiency is characterized by all of the following Except:**

- a)Retarded growth and delayed walking
- b)Protruded tongue and abdomen
- c)Moon face and buffalo hump
- d)A low basal metabolic rate and inability to tolerate cold weather

**11-Pernicious anemia is due to:**

- a)Intrinsic factor deficiency
- b)Folic acid deficiency
- c)Vitamin K deficiency
- d)Iron deficiency

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Faculty Of Medicine  
Department Of Physiology  
Course Code: NUROS 8002  
Total Assessment Marks: 30

**2-Cortisone increases the blood glucose level by:**

- a) Increasing the gluconeogenesis
- b)Exerts insulin like effect on the skeletal muscles
- c)Decrease glucose absorption from the intestine
- d)Produces osteoporosis

**4-Hyperglycemia occurs in all the following**

Except:

- a)Thyrotoxicosis
- b)Diabetes insipidus
- c)Acromegaly
- d)Cushing's Syndrome

**6-Glucocorticoids is:**

- a)Diabetogenic
- b)Catabolic effect on protein
- c)Antiallergic
- d)All of the above

**8-Calcitonin hormone:**

- a)Lowers the basal metabolic rate
- b)Lowers the blood calcium level
- c)Is secreted from the parathyroid gland
- d)Is released when the blood phosphate level rises

**10-Addison disease shows all of the following Except:**

- a)Poor mobilization and utilization of fat
- b)Decrease resistance to stress and shock
- c)Tendency to hyperglycemia
- d)Dark pigmentation of the skin and mucous membrane

**12- Cretinism is:**

- a-Hyperthyroidism in adult.
- b-Hyperthyroidism in children.
- c-Hypothyroidism in infancy.
- d-Hypothyroidism in adult.

13-All correct about plasma proteins Except:

- a)All plasma protein are formed in the liver.
- b)Gamma globulin is formed in plasma cells.
- c)Prothrombin not needed in blood clotting.
- d)About 8% of plasma.

15-The following hormones elevate the arterial blood pressure Except:

- a)Vasopressin(ADH)
- b)Angiotensin II
- c)Aldosterone
- d)Histamine

17- Homeostasis is:

- a)Keeping the internal environment constant
- b)Stoppage of bleeding from small blood vessel
- c)keeping the external environment constant
- d)All of the above

19-All the following organs share in vitamin D formation Except:

- a)The lung
- b)The liver
- c)The kidney
- d)The skin

14- Osteoprosis of bone occurs in:

- a-Tetany
- b-Conn's disease
- c-Cushing's syndrome
- d-Vitamin D deficiency

16-The most important measure should be done before blood transfusion:

- a)ESR
- b)HB content
- c)RBCs count
- d)Cross matching test

18-Pain control mechanism release the following hormones Except:

- a)Beta endorphins
- b)Enkephalins
- c)Serotonin
- d)Bradykinin

20-Hemostasis include:

- a)Stoppage of bleeding of small blood vessel.
- b) Local vasoconstriction of blood vessel.
- c)Blood clotting.
- d)All of the above.

No	A	B	C	D	No	A	B	C	D
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					20				

Answer of MCQ at the table

ملحوظة:

26/2/2017 الامتحان الشفوي

بقسم الفسيولوجي الثامنة صباحا

اجابة الأسئلة الاختيارية بالجدول و

يدبس بكراسة الاجابة

Tanta University

Master of science in Neurosurgery

Faculty of Medicine

Anatomy Examination

Human Anatomy & Embryology Dep.

Number of Questions: 5

13/ 2/2017- Time Allowed: 3 Hours

Total:30 Marks



## NEUROSURGERY

All questions to be answered

Illustrate your answer with diagram whenever possible:

1. **A. Mention** the attachments of tentorium cerebelli and enumerate the dural venous sinuses enclosed in it. (6 marks)

**B. Enumerate** the arteries supplying the dura. (3 marks)
2. **Describe** the course and branches of the radial nerve in the arm. Outline the effects of its injury in the spiral groove. (6 marks)
3. **Describe** the venous drainage of the spinal cord. (4.5 marks)
4. **Draw a diagram showing** the cranial nerves attached to the ventral surface of the brainstem. (3 marks)
5. **A. Describe** the boundaries of the third ventricle. (3.5 marks)

**B. Mention** the origin, course and branches of the basilar artery. (4 marks)

**END OF THE EXAM**

Oral and Practical Examination:

On Tuesday 14 / 2/ 2017 at 9.5 o'clock in the Anatomy Department (Second floor)

**WITH MY BEST WISHES**

Chairman of Department: Prof. Dr. Mona Zoair

Examination for Master Degree in: Neurosurgery  
Course title: Medical Microbiology & Immunology  
Date: 22 /2 / 2017  
Term: February 2017  
Time allowed: 1 hour and 30 minutes  
Total assessment marks: 60 marks

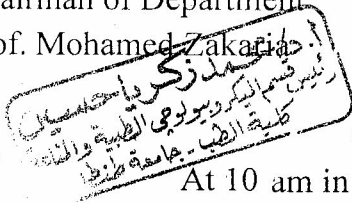


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Faculty of Medicine  
Microbiology Department

**Answer the following question:**

- What are the bacterial causes of brain abscess complicating surgery for chronic sinusitis? What are the antibiotics expected to be most effective?(10 marks)
- What is meningitis? What are the frequent microbial causes in different age groups? (10marks)
- Outline the measures that can reduce the incidence of CNS postoperative infection. (10 marks)
- Give an account on two CNS diseases that are the mostly autoimmunity mediated. (10 marks)
- Discuss the justification of using metronidazol in CNS infection.(10 marks)
- Discuss the relationship between the clinical picture of CNS infection and bacterial growth curve. (10 marks)

Chairman of Department  
Prof. Mohamed Zakaria



Oral exam: Sunday 26/2/2017

At 10 am in Microbiology & Immunology Department

**GOOD LUCK**