



South Valley University
Qena Faculty Of Medicine
Department Of Biochemistry



Date: 2\1\2017
Time allowed: 2 Hours

First year final term medical biochemistry exam

➤ Answer all the following questions and illustrate your answer with the chemical structures whenever possible.

Part I: Write down the formulae of:

(2 marks each)

- A) Hyaluronic acid
- B) Sialic acid.
- C) Lecithin.
- D) Two essential fatty acids.

Part II: On biochemical basis explain:

(2 marks each)

- A. Heparin has anticoagulant activity.
- B. Free radicals have many types and sources.
- C. Eicosanoids differ from hormones.
- D. Monosaccharides and some disaccharides have reducing properties.
- E. Phosphatidyl inositol acts as second messenger.

Part III: Compare between:

(3 marks each)

- A) Prokaryotic and eukaryotic DNA polymerases.
- B) Leading and lagging DNA strands.
- C) Sucrose and maltose.

Part IV: Discuss elongation step of protein synthesis: (5 marks each)

Good luck

Name of the examiners:

Prof.Dr: Tahia Hashim Saleem

Dr. Mohammed H. Hassan

سوف يتعد الامتحان الشفوي بمشيئة الله تعالى لمادة الكيمياء الحيوية الطبية يوم
الثلاثاء الموافق 2017\1\3 لجميع الطلاب بالقسم ابتداء من الساعة الثامنة صباحا



South Valley University
Faculty of Medicine in Qena
Department of Medical Physiology

Date: 3\1\2016
Time: One hour
Total marks: 15 marks

FINAL WRITTEN EXAMINATION
MEDICAL PHYSIOLOGY
CELL BIOLOGY
FIRST YEAR - FIRST SEMESTER

ملحوظة: إجابة كل سؤال تبدأ بصفحة جديدة مع كتابة رقم السؤال في منتصف بداية الصفحة وبخط واضح. ممنوع وضع إجابة أى جزء من سؤال مع إجابة سؤال آخر.

Answer the following questions:

- 1-Enumerate factors affecting cell cycle (2.5 marks).
- 2-Explain the following: (4.5 marks)
 - a. Presence of many of SER in liver.
 - b. Lysosomes digest foreign molecules.
 - c. WBCs do not affected by lysosomal enzymes.
- 3- Compare between: (4 marks)
 - a. Passive and active transport
 - b. Cell membrane proteins peripheral and trans-membrane.
- 4- Give an account on Cancer (definition, types, metastasis and routs) (2.5 marks)
- 5- Importance of mitosis and meiosis (1.5 marks)

With best wishes

Prof. Dr. Omyma Galal Ahmed
and Exam. Committe



South Valley University
Faculty of Medicine-Qena
Department of Anatomy
53 Marks

د. لفرحة لؤلى

Date: 9 /1/2017
Time: 2 hours
1st year students



1st semester examination in Anatomy- January
(Introduction, upper limb and lower limb)

Answer all the following questions:

I - Introduction:

(All are 7 marks)

1) Enumerate five types of synovial joints and give example for each. (5 marks)

2) Mention two types of pennate forms of muscles and give example for each. (2 marks)

II - UPPER LIMB

(All are 26 marks)

1) Mention root value, origin, course and distribution of axillary nerve. (6 marks)

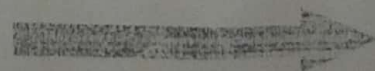
2) Enumerate the six extensor compartments at the wrist region from lateral to medial. (6 marks)

3) In tabulated form, mention muscles doing abduction of the shoulder joint and the role of each muscle. Name their nerve supply. (6 marks)

4) Illustrate with diagram arterial anastomosis around the scapula. (3 marks)

5) Illustrate the boundaries of the cubital fossa. Name three contents from lateral to medial. (5 marks)

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III-LOWER LIMB

(All are 20 marks)

1) Mention origin, termination and tributaries of the great saphenous vein. (4marks)

2) Mention nerve supply of the following muscles. (5 marks)

a. Ischial part of adductor magnus.

b. Soleus.

c. Obturator externus.

d. Pectineus.

e. Extensor hallucis longus.

f. Peroneus brevis

g. Flexor digitorum longus.

h. Inferior gemillus.

I. Gluteus medius.

J. Gluteus maximus.

3) Boundaries and contents of the adductor canal. (5 marks)

4) Mention the main invertors of the foot and their nerve supply and at what joint(s) this movement occurs. (3 marks)

5) Name ligaments of the knee joint (3 marks)

End of questions

Good luck



كلية طب قنا



جامعة جنوب الوادي

الفرقة الأولى

الزمن: ساعتان

الدرجة الكلية: (32 درجة)

قسم الهستولوجيا

المادة: بيولوجيا الخلية

التاريخ: 2017 / 1 / 23

Answer the following questions illustrating your answer with diagram:-

- Write short notes on the following:

- 1- Types, molecular structure and significance of lipids of the plasma membrane.
- 2- Histological structure (LM, EM, molecular) of the basement membrane.
- 3- Histological structure (LM, EM, molecular) and function of collagen fibers. (5 marks each)
- 4- Histological structure (LM & EM) and function of the centrosome.
- 5- Histological structure and function of pericytes.
- 6- Cellular changes in apoptosis.
- 7- EM structure of the nuclear envelope.
- 8- EM structure and function of microvilli. (3 marks each)
- 9- Describe the holocrine mode of secretion. (2 marks)

سيتم عقد الإمتحان الشفهي عقب الإمتحان النظري مباشرة.

****Best wishes****