

Department of Physiology
University of Nigeria, Enugu Campus.
First Semester Examination,
4TH March, 2014.

ANSWER ANY TWO QUESTIONS

Time Allowed: 1 hr

- ✓ 1. Write an essay on inhibitory neuronal synaptic transmission and its importance
- ✓ 2. Discuss neuromuscular transmission and problems associated with it
3. Compare the mechanisms of contraction in skeletal and smooth muscles

DEPARTMENT OF PHYSIOLOGY
FACULTY OF MEDICAL SCIENCES, COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS, ENUGU

1ST SEMESTER EXAMINATION FOR FHST STUDENTS.
PYS 203 (EXCITABLE TISSUES)

5TH May, 2014

Time allowed 2hrs 15mins

INSTRUCTIONS

1. WRITE YOUR EXAM NUMBER, REGISTRATION NUMBER ETC IN THE SPACES PROVIDED.
2. ANSWER ALL QUESTIONS

1. Write an essay on the physiologic anatomy of the neuron. (continuous assessment)
2. Describe in detail the ionic bases of RMP and cardiac AP.
3. How is an AP conducted from a nerve to muscle? Describe two named abnormalities of this process.
4. Write an essay on presynaptic inhibition.
5. Write an essay on parasympathetic nervous system

DEPARTMENT OF PHYSIOLOGY
FACULTY OF MEDICAL SCIENCES, COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS

1ST Semester Examination for F. H. S. T. students.

29/03/12.

PYS 203 (Excitable Tissues and Autonomic Nervous System)

Instructions:

1. Answer all questions.
2. Do not write on the question paper.
3. Time Allowed: 2hr 20mins.

1. Write an essay on the physiologic (functional) anatomy of the neuron.
2. How is an action potential conducted along a nerve fibre and to a muscle?
3. Write an essay on the mechanism of contraction of smooth muscle.
4. Write short notes on:
 - a) Resting Membrane Potential.
 - b) Presynaptic inhibition.
 - c) Autonomic dysfunction.

~~22~~

DEPARTMENT OF PHYSIOLOGY
FACULTY OF MEDICAL SCIENCES, COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS

st Semester Examination for F. H. S. T. students.
PYS 203 (Excitable Tissues)
Answer only three questions.

8/04/11.

Time Allowed: 1hr 45mins.

1. Write an essay on cardiac action potential.
- * 2. How is an action potential conducted along a nerve fibre and to a muscle fibre?
- * 3. Some synapses allow information flow while others stop or suppress it. Discuss.
4. Write short notes on:
 - a) Parasympathetic nervous system.
 - b) Orthostatic hypotension.
 - c) Tetanus.

LearnClax.com

55

HON. FRANK
OB. RADIOGRAPHER

WAZA

Dr. M. A. N. M. A.

DEPARTMENT OF PHYSIOLOGY
COLLEGE OF MEDICINE,
UNIVERSITY OF NIGERIA, ENUGU CAMPUS

Return

mf

1ST SEMESTER EXAMINATION FOR FIRST STUDENTS

EXCITABLE TISSUES (PYS 202)

DATE: 3RD AUGUST, 2010. TIME ALLOWED: 1HR: 45MINS.

INSTRUCTIONS:

1. ANSWER ANY THREE QUESTIONS.
 2. DO NOT WRITE ON THE QUESTION PAPER.
 3. WRITE YOUR DEPT, REGISTRATION AND SERIAL NOS CLEARLY.
 4. INDICATE CLEARLY YOUR YEAR OF STUDY ON YOUR ANSWER BOOKLET.
 5. INDICATE CLEARLY THE QUESTIONS ATTEMPTED ON YOUR ANSWER BOOKLET.
1. WRITE AN ESSAY ON THE PHASES OF CARDIAC ACTION POTENTIAL.
 - *2. HOW DOES EXCITATION LEAD TO CONTRACTION AND RELAXATION OF SMOOTH MUSCLE?
 3. WRITE AN ESSAY ON PRESYNAPTIC INHIBITION.
 4. WRITE SHORT NOTES ON ANY THREE OF THE FOLLOWINGS:
 - ✓ a) NERVE FIBRE TYPES. *yes*
 - * b) MYASTHENIA GRAVIS.
 - c) TETANUS.
 - d) AUTONOMIC DYSFUNCTION.

LoaClax.com

Handwritten notes and scribbles on the right margin.

1	1	1	1	1
1	1	1	1	1
1	1	1	1	1

Handwritten mark 'm' in the bottom left corner.

DEPARTMENT OF PHYSIOLOGY
FACULTY OF MEDICAL SCIENCES, COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS

1st test for medical students

31/03/11.

Answer all questions.

Time Allowed: 2hrs 30mins.

1. a) Give a concise definition of homeostasis.
b) What are the components of a homeostatic system?
c) Describe the mechanisms involved in negative feedback response using an appropriate example.
d) Describe the mechanisms involved in positive feedback response using an appropriate example.
2. a) What is acquired immunity?
b) Discuss the role of B-lymphocytes in acquired immunity.
3. Write an essay neuromuscular transmission. What is Myasthenia gravis?
4. Write an essay on the chemical control of respiration.
5. Write short notes on the followings:
 - a) Role of platelets in haemostasis.
 - b) Interstitial fluid.
 - c) Ionic bases of cardiac action potential.
 - d) Physiological adaptation (acclimatization) to high altitude.

DEPARTMENT OF PHYSIOLOGY
COLLEGE OF MEDICINE, U.N.E.C.

NASA DE MAN
ANADIS | GSP

PYS 202

EXCITABLE TISSUES AND AUTONOMIC NERVOUS SYSTEM MARCH 2007

INSTRUCTIONS

1. Write your examination number (as indicated on the attendance sheet) clearly on the cover of your answer booklet.
2. DO NOT WRITE ON THE QUESTION PAPER
3. ANSWER ANY THREE QUESTIONS

TIME ALLOWED: 2 hours

1. The central nervous system has the ability to select desired information and suppress unwanted ones. Justify this statement.
2. Write an essay on the classification and functions of different nerves. ✓
3. Compare excitation-contraction coupling in cardiac muscle with that of smooth muscle.
4. Write short notes on any **THREE** of the following:-
 - a) Neurotrophias
 - b) End-plate potential ✓
 - c) Drugs that inhibit autonomic activity ✓
 - d) Electrical activity in visceral smooth muscle ✓

PYS 202

(EXCITABLE TISSUES AND AUTONOMIC NERVOUS SYSTEM).

INSTRUCTIONS:

Answer any **THREE** questions
Do not write on the question paper
Write your exam number clearly on your answer booklet.

Time Allowed: 1hr 45mins

1. Discuss the effect of autonomic nervous system on the following organs:
 - a) Eyes
 - b) Heart
 - c) GIT
2. Write an essay on Axo-axonal transmission
3. How is Action potential propagated along nerve fibers?
4. List drugs that affect autonomic nervous including their site and mechanism of action.
5. The central nervous system has the ability to eliminate completely unwanted messages. Discuss.

P.T.O

EXCITABLE TISSUES AND AUTONOMIC NERVOUS SYSTEM

Anozi C

DEPARTMENT OF PHYSIOLOGY
COLLEGE OF MEDICINE
UNIVERSITY OF NIGERIA, ENUGU CAMPUS.

PYS 202

24TH MARCH, 2005

INSTRUCTIONS: Answer any THREE questions.

DO NOT WRITE ON THE QUESTION PAPER

TIME ALLOWED: 2 Hrs

Questions:

1. Write an essay on the ionic basis of membrane potentials.
2. Discuss excitation-contraction coupling in cardiac muscle.
3. What is inhibitory neuronal transmission? Explain your answer using 2 examples.
4. Write an essay on parasympathetic nervous system.
5. Write short note on any three of the following.

- (a) Neurotrophins
- (b) Myasthenia gravis
- (c) Effect of Autonomic nerves on the eye.
- (d) Muscle twitch
- (e) Muscle fatigue

Sympathetic stimulation of the ventricular fibres of a ris leads to contraction. Decreases all the physiological parameters of a heart. Increases all vital parameters of life. It has no effect on AP, and it has no effect on the rate of contraction of the muscle zone organ.

CAHSSAI

HEALTH IN GOD'S SERVICE!!!