

Eintho

# RASHIDA IQBAL FINANCIAL AID ORGANIZATION



## PHYSIOLOGY VIVA QUESTIONS FOR 1st YEAR:

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INTERNAL:

Type of muscle fibers in horse ?

Biphasic action potential

Compound action potential

How hemoglobin is formed ?

Endplate potential

All and none law ? which Action potential follow this law ?

Name of resistance vessels, Exchange vessels and Exchange vessels.

EXTERNAL:

Erythropoiesis

Draw all Aps

Resting membrane potential of SA node ?

Cause of plateau ?

Regulation of respiration ?

INTERNAL:

What is the effect of Ventilation perfusion ratio on zones of lungs ?

Types of vessels ?

Bronchitis

Vasodilators release in hypoxia ?

Complement system ?

Draw ECG.

EXTERNAL:

Peroxisome?

Lysosome

Myosin structure

Breathing rate

INTERNAL:

Dead space?

Physiology of lungs ?

Leukemia ?  
Microcirculation ?  
Functions of spleen  
Endoplasmic reticulum  
Mitochondria  
Shock  
Thready pulse  
Treatment of shock

EXTERNAL:  
Peroxisomes  
Duchenne dystrophy  
Isoelectric line  
Rheobase chronaxia  
SA nodal potential

INTERNAL:  
Blood flow regulation  
Gap junctions  
Pacemaker of heart  
Draw the normal ECG  
What is ST segment and in which condition it is elevated ?

EXTERNAL:  
Vital capacity and its value in male and female ?  
How RMP is maintained ?  
Define residual volume ,normal value and its significance ?  
How much Na<sup>+</sup> and K<sup>+</sup> channels contribute in maintaining RMP ?  
In excitation contraction coupling what happens in muscle after impulse arrival ?

INTERNAL:  
Bone marrow  
Spleen  
Leukocytosis ? In which conditions it increases ?  
Einthoven triangle ?  
Einthoven law ?

EXTERNAL:  
Myasthenia Gravis ?  
Excitation contraction coupling ?  
Peroxisomes  
Immunity  
Types of active transport  
Bohr effect

INTERNAL:  
Complete heart attack  
1<sup>st</sup> degree heart block  
PR interval time?  
Difference between interval and segment ?  
Excitation contraction coupling

EXTERNAL:  
RBC count ?  
Atelectasis?  
Walk along theory ?  
Lysosomes ?

INTERNAL:  
Function of trachea ?

Bronchitis ?  
Emphysema and its effect on dead space ?  
Types of WBCs ?  
Draw neutrophils ?  
Cardiac output ?  
Cardiac cycle?  
Draw ventricular pressure curve .

EXTERNAL:

Compliance  
Why intra-thoracic pressure is negative ?  
Excitation contraction coupling ?  
Stages of erythropoiesis  
Cardiac cycle  
Isovolumetric contraction phase  
Thermostat

INTERNAL:

Hemostasis and its steps ?  
Homeostasis and types ?  
Blood flow regulation mechanisms  
Explain renin angiotensin system  
From where Renin,ACE,aldosterone and ADH are secreted ?

EXTERNAL:

Blood flow regulation mechanisms  
Explain Renin angiotensin system  
What are left and right ventricular pressure changes ?  
Cardiac output  
Stroke volume  
Types of Hypoxia  
Control of local blood flow ?  
What does the velocity of blood decrease ?  
Cardiac output ?

INTERNAL:

What is transport ? its types?  
Function of nose  
Non-respiratory function of nose ?  
Functions of spleen  
Hemoglobin degradation ?  
Iron metabolism ?  
Hering breuer reflex ?

EXTERNAL:

Hypoxia causes what changes ?  
Types of hypoxia ?  
Types of WBCs  
Blood pressure control mechanisms ?  
Myasthenia Gravis  
Duchens muscular dystrophy

INTERNAL:

Sarcomere  
Walk along theory  
Role of blood as buffer  
Transport of CO<sub>2</sub>  
Diagram of walk along theory

EXTERNAL:

Conductive system of heart  
SA nodal action potential  
Erythroblastosis foetalis  
Types of immunity  
Immunoglobulin functions ?

INTERNAL:

Types of granulocytes ?  
What are lymphocytes and types?  
Explain T cells  
Explain NMJ  
What is anaphase and metaphase ?  
Role of skin

EXTERNAL:

What do you know about Cardiac cycle ?  
What is shock ?  
What is reticuloendothelial system ?  
Classify anemias.  
Functions of Platelets  
Stages of Erythropoiesis

INTERNAL:

Difference between eukaryotic and prokaryotic cell ?  
What is prophase,metaphase, anaphase ?  
What changes occur at high altitude?  
Bohr effect  
Haldane effect  
Isovolumetric contractions

EXTERNAL:

Myocardial Infarction  
Blood flow regulation mechanism  
ABO blood group system  
Erythroblastosis fetalis

INTERNAL:

Draw an ECG .  
PR interval and its value ?  
Compound action potential  
Spike potential and the muscles in which it occurs ?  
Plateau potential and the muscles it occurs in ?  
What is pleura ?  
What is pneumothorax ?

EXTERNAL:

Functions of blood  
RBC function  
WBC function  
IgE functions  
Regulation of tissue blood flow  
Cardiac output and its value  
Stroke volume output  
Heart rate

INTERNAL:

What is physiology ?  
Function of cell membrane and spleen  
What is Thalassemia and Leukemia ?  
What happens to RBCs after 120 days ?

EXTERNAL:

Cardiac cycle and its phases  
Shock and its stages  
Incisura and its mechanism ?  
How is temperature regulated ?  
What is sick sinus syndrome ?  
What is stenosis ?

EXTERNAL:

Erythropoiesis and stages ?  
Shock  
Cardiac impulse transmission  
Cardiac output and its regulation  
Changes that occur in ECG during MI

INTERNAL:

Types of granulocytes  
Function of trachea  
Rigor mortis  
Identify neutrophil, sarcomere and monocyte  
Leukemia and its types

EXTERNAL:

Rigor mortis  
Peroxisomes and lysosomes  
Thermoregulatory center  
Types of leukocytes  
Normal ECG waves  
U-wave  
Neutrophils structure and functions  
Reticulocytosis

INTERNAL:

Pericardium function  
What is TLC?  
Total leukocyte count  
Effect of exercise on TLC  
Effect of exercise on RBC count?  
Hypoxia is having direct effect on which structure ?

EXTERNAL:

Shock stage  
Regulation of blood flow  
Regulation of respiration  
Immunity  
T lymphocyte functions  
Types of T-lymphocytes  
Function of helper-T-cells

INTERNAL:

Trace the respiratory passage  
CO<sub>2</sub> partial pressure values  
How CO<sub>2</sub> is eliminated ?  
Stroke volume  
RBC count

EXTERNAL:

Thermoregulatory center and mechanism  
Erythroblastosis fetalis

Shock and types  
Platelet function  
RBC function  
Anemia  
ECG waves  
QRS explanation  
U-wave prominence  
Causes of Hypokalemia

INTERNAL:

Functions of golgi apparatus  
RBC membrane and pliability  
Function of enzymes in RBC  
Chyestrous breathing  
Draw NMJ  
Buffer system of blood  
T tubules  
Fens effect  
Micro-circulation  
Thermoregulatory center of brain  
Apocrine and Ecrine glands  
What is bone marrow and its types

EXTERNAL:

Fluid mosaic model  
Respiratory membrane and affecting factors  
Bohr's effect  
Haldane effect  
RBC mem vs normal mem  
What causes RMP  
What are the components of respiratory membrane  
What is walk along theory

INTERNAL:

Types of leukocytes  
Functions of monocytes  
What is HLA?  
What are secretors ?  
What is kernictyrus ?

Remember us in your prayers

Regards  
Sidra Yousaf (3<sup>rd</sup> Year)  
Deputy secretary for Publications  
RIFAO

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