



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS SECOND SEMESTER SESSION 2007-2008

BIOCHEMISTRY + COMMUNITY MEDICINE (Short Essay)

Time Allowed: One Hour

Date: 10-11-2008

Maximum Marks: 30

NOTE:

- *Attempt any six questions including Question 1, which is compulsory.*
- *All questions carry equal marks.*

- Q.No.1- Define Air Pollution and enumerate its causes. ✓
- Q.No.2- Describe the chemistry and functions of Cholesterol. ✓
- Q.No.3- What are phospholipids? Classify them with examples.
- Q.No.4- Describe the factors, which affect the rate of enzyme action. ✓
- Q.No.5- Describe enzyme inhibition with examples. ✓
- Q.No.6- Enlist water soluble vitamins along with their biologically active forms. ✓
- Q.No.7- Illustrate and explain the role of Vitamin A in visual cycle. ✓
- Q.No.8- Define nutrition and discuss the role of dietary fibers as component of balanced diet.

THE END



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL BDS SECOND SEMESTER
SESSION 2007-2008

Biochemistry
(Short Essay)

Time Allowed: One Hour

Date: 22-12-2008

Maximum Marks: 30

NOTE:

- *Attempt any five questions.*
- *All questions carry equal marks.*

- Q.No.1- ✓ Classify lipids. Give the functions of cholesterol.
- Q.No.2- What is rancidity? How it is prevented?
- Q.No.3- ✓ Classify enzymes. Describe phosphatase with examples.
- Q.No.4- ✓ Define Isoenzymes. Give their significance with examples.
- Q.No.5- Illustrate and explain the role of vitamin A in visual cycle.
- Q.No.6- ✓ What are source and functions of vitamin C?
- Q.No.7- ✓ Describe the role of calcium in the body.

THE END



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS, SECOND SEMESTER
EXAMINATION YEAR 2010

Biochemistry + Community Medicine

Time Allowed: 01 Hour

Date: 26-11-2010

Maximum Marks: 30

NOTE:

- Attempt any SIX questions including Question 1, which is compulsory.
- All questions carry equal marks.

- Q.No.1- Write short note on types of health care.
- Q.No.2- Define fatty acids & explain the properties of fatty acids.
- Q.No.3- What are lipids & explain glycolipids?
- Q.No.4- What are the factors affecting enzyme activity and explain effect of pH?
- Q.No.5- Classify enzymes & explain transferases with examples.
- Q.No.6- Define vitamins & differentiate fat-soluble & water-soluble vitamins.
- Q.No.7- What is a biochemical role & deficiency manifestations of thiamine?
- Q.No.8- Write the functions of sodium & potassium in the body.

THE END



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS SECOND SEMESTER
SESSION 2008-2009

BIOCHEMISTRY + COMMUNITY MEDICINE
(Short Essay)

Time Allowed: One Hour

Date: 31-10-2009

Maximum Marks: 30

NOTE:

- *Attempt any six questions including Question 1, which is compulsory.*
- *All questions carry equal marks.*

- Q.No.1- Define protein energy malnutrition and enumerate its causes.
- Q.No.2- Define lipids. Write the biomedical importance of lipids.
- Q.No.3- Classify enzymes. Discuss hydrolases with examples.
- Q.No.4- Write the source, functions and deficiency of vitamin C.
- Q.No.5- Define nutrition, malnutrition, balanced diet, obesity and BMR.
- Q.No.6- Write the role of serum enzymes in the diagnosis of clinical conditions.
- Q.No.7- What role do plasma lipo-proteins play in human body?
- Q.No.8- Write the biosynthesis of calcitriol and its functions in body.

THE END



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS FIRST SEMESTER EXAMINATION SESSION 2008-2009

BIOCHEMISTRY + COMMUNITY MEDICINE (Short Essay)

Time Allowed: One Hour

Date: 11-04-2009

Maximum Marks: 30

NOTE:

- Attempt any six questions including Question 1, which is compulsory.
- All questions carry equal marks.

✓ Q.No.1-

Define Epidemiology and enumerate its uses.

✓ Q.No.2-

- A) Name the plasma proteins.
- B) Write the function of each plasma protein

✓ Q.No.3- ✓

Name the cell organelles and write the function of each of them.

✓ Q.No.4-

Name various monosaccharide derivatives and give examples of molecules or compounds in which they are found.

✓ Q.No.5 (pme)

Write down the "Biochemical findings" of various types of jaundice.

✓ Q.No.6-

✓ Define carbohydrates. Give rise the biomedical significant of different types of heteropolysaccharides.

✓ Q.No.7-

✓ Define proteins; classify them on the basis of function.

✓ Q.No.8-

Give an account of the biosynthesis of heme.

THE END



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS, SEMESTER-I EXAMINATION YEAR 2013

BIOCHEMISTRY + COMMUNITY MEDICINE (SEQs)

Time Allowed: One Hour

Date: 01-04-2013

Maximum Marks: 30

NOTE:

- *Attempt any SIX questions including Question No.1, which is compulsory.*
- *All questions carry equal marks.*

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- Q.No.1. ✓ Define Epidemiology and its aims.
- Q.No.2. What is cell and write down the functions of cell membrane?
- Q.No.3. ✓ Define acid and base with examples.
- Q.No.4. ✓ What are reducing sugars and explain disaccharides with examples?
- Q.No.5. ✓ Define carbohydrates, write the functions of carbohydrates.
- Q.No.6. ✓ Define protein and classify them on axial ratio.
- Q.No.7. What are amino acids and write down the functions of special amino acids.
- Q.No.8. ✓ Define jaundice and what are types of jaundice?



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS FIRST SEMESTER SESSION 2007-2008

BIOCHEMISTRY + COMMUNITY MEDICINE (Short Essay)

Time Allowed: One Hour

Date: 09-04-2008

Maximum Marks: 30

NOTE:

- Attempt any six questions including Question 1, which is compulsory.
- All questions carry equal marks.

Q.No.1-

Write a short essay on Epidemiology.

Q.No.2-

Give brief account about the chemistry of Glucose and its significance in Human Body.

Q.No.3-

Write the important functions of proteins.

Q.No.4-

Name the enzymes that catalyse the reactions of porphyrin synthesis.

Q.No.5-PMC

What types of role do globular proteins play in living cells?

Q.No.6-PMC

What are four different levels of proteins structure? Also mention the forces or bonds which maintain protein structure along with one example of each.

Q.No.7-

Name various types of jaundice and write acquired and congenital causes of hemolytic anemia.

Q.No.8-

Write role of conjugated proteins in human body.

THE END



LIAQUAT UNIVERSITY

OF MEDICAL & HEALTH SCIENCES, JAMSHORO

**FIRST PROFESSIONAL MBBS, SEMESTER-II
EXAMINATION YEAR 2013**

BIOCHEMISTRY + COMMUNITY MEDICINE
(SEQs)

Time Allowed: One Hour

Date: 07-10-2013

Maximum Marks: 30

NOTE:

- *Attempt any SIX questions including Question No.1, which is compulsory.*
- *All questions carry equal marks.*

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- Q.No.1. ✓ Define protein energy malnutrition. What are the causes of protein energy malnutrition?
- Q.No.2. Classify lipids with suitable examples.
- Q.No.3. ✓ What are eicosanoids? Give the functions of Prostaglandins.
- Q.No.4. ✓ Name the factors affecting enzyme activity. Describe the role of pH and Temperature.
- Q.No.5. ✓ How the enzyme activity is regulated?
- Q.No.6. ✗ What are the sources, functions and deficiency manifestations of Vitamin C?
- Q.No.7. ✓ Name the fat soluble vitamins; what is role of Vitamin A in human body?
- Q.No.8. ✓ What are the macrominerals? Give the functions and clinical importance of Potassium.



LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

FIRST PROFESSIONAL MBBS, FIRST SEMESTER EXAMINATION, SESSION 2009-10

BIOCHEMISTRY + COMMUNITY MEDICINE (Short Essay)

Time Allowed: One Hour

Date: 10-05-2010

Maximum Marks: 30

NOTE:

- Attempt any six questions including Question 1, which is compulsory.
- All questions carry equal marks.

- Q.No.1- Write short essay on levels of health care.
- Q.No.2- Define colloids. What are the methods for separation of colloidal particles?
- Q.No.3- Define cell. What are the functions of cell membrane?
- Q.No.4- Write down the biomedical importance of carbohydrates.
- Q.No.5- Define proteins. Give examples and functions of scleroproteins.
- Q.No.6- Define immunoglobulins. Write the properties and functions of IgE.
- Q.No.7- Define nucleoproteins. What are differences between RNA and DNA?
- Q.No.8- Write down the biomedical findings of various types of Jaundice.

THE END