



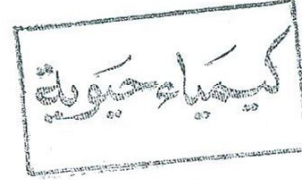
Medical Biochemistry Department  
First Year, Final Exam  
August, 24<sup>th</sup>, 2014  
Time Allowed: 2 hours (50 marks)



**I. Mention (only names):**

(9 marks)

1. Two heat coagulable proteins.
2. Two secondary bile acids.
3. Two eicosanoids that produce vasodilatation.
4. Two basic aliphatic amino acids.
5. Two metalloproteins.
6. Two hemoproteins.
7. Two reducing disaccharides.
8. Two GAGs.
9. Two phosphoproteins.



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(21 marks)

**II. On biochemical bases explain the following:**

(21 marks)

1. The enzyme can react with a range of substrates of similar types.
2. The importance of globin in hemoglobin and myoglobin.
3. Wobble hypothesis.
4. P53 is termed the molecular policeman.
5. PCR is preferable than cloning.
6. Elastin can be stretched in different directions.
7. Hyaluronidase enzyme is termed the spreading factor.

**III. Give a short account of:**

(20 marks)

1. DNA cloning.
2. Point mutation.
3. Different factors required for eukaryotic replication.
4. Chromatin remodeling.

\*\*\*\*\* Good Luck \*\*\*\*\*

Assist. Prof. Dr. Amr Zahra