

500-B

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
FIRST M.B.B.S. EXAMINATION
BIOCHEMISTRY
PAPER-II

Time : 2 ½ Hours

Max. Marks : 50

Answer all questions

-
- | | | |
|-----|---|------------|
| 1) | With the help of a diagram, describe the process of transcription. Add a note on post transcriptional modifications. | 6+4=10 |
| 2) | Enumerate kidney function tests and liver function tests. Write in detail about one kidney function test and one liver function test. | 2+2+3+3=10 |
| | <u>WRITE SHORT NOTES ON:</u> | 5x4=20 |
| 3) | Explain the absorption, transport and storage of dietary iron in the body. | |
| 4) | Requirement, sources and biochemical functions of Selenium. | |
| 5) | Describe Polymerase Chain Reaction (PCR) with diagram and list out two uses of it. | |
| 6) | Compare and contrast (1 similarity and 2 differences) DNA polymerase and RNA polymerase | |
| 7) | Androgens – Biosynthesis and Physiological and Biochemical functions. | |
| | <u>WRITE BRIEFLY ON:</u> | 5x2=10 |
| 8) | Chemical Carcinogens | |
| 9) | Biochemical functions of oxytocin | |
| 10) | How oxalates in diet inhibit absorption of iron and calcium ? | |
| 11) | Define Osmolarity and Osmolality | |
| 12) | Serum alpha fetoprotein and carcinoembryonic antigen | |

- - -