S.Y. B.Pharm - Sem - III (CBCS - 2015 Course): SUMMER - 2018

SUBJECT: PHARMACEUTICAL BIOCHEMISTRY – II

Day: Monday
Date: 23-04-2018

Time: 2:00 PM TO 5:00 PM
Max. Marks: 60

S-2018-3916

N.B.:

1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of the remaining solve any **TWO** question from each section.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

Q.1 Attempt any **FIVE** of the following: **(10)**

a) What is oxidative phosphorylation?
b) What is oxidative deamination?
c) What is favism?
d) State transamination of aspartate.
e) State biosynthesis of serotonin from tryptophan
f) What is enzyme antibody conjugate?

Q.2 **a)** What is diagnostic PCR? Explain in detail. **(07)**
b) What is detoxication? Give examples. **(03)**

Q.3 **a)** What is Jaundice? Explain in detail and give different types. **(07)**
b) What is Ketosis? **(03)**

Q.4 Write notes on any **TWO**: **(10)**

a) Catabolism of Arginine
b) Hyperammononia
c) Biochemical role of Vitamin –D

SECTION-II

Q.5 Attempt any **FIVE** of the following: **(10)**

a) What is ATP cycle?
b) What is immunoprecipitation?
c) What is frame shift mutation?
d) How milk sugar is made available for glycolysis?
e) State the biochemical reaction where biotin in required as co- substrate.
f) What is osteoporosis?

Q.6 **a)** What is transcription? Explain in detail. **(07)**
b) What is chemical jaundice? **(03)**

Q.7 **a)** What is translation? Explain in detail. **(07)**
b) State biochemical role of vitamin ascorbic acid. **(03)**

Q.8 Write notes on any **TWO**: **(10)**

a) Glycolysis
b) Radio immunoassay (RIA)
c) ELISA

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