M. D. (BIOCHEMISTRY) : SUMMER - 2018
SUBJECT : BIOCHEMISTRY
PAPER – II : METABOLISM AND NUTRITION

Day : **Monday**
Date : **04/06/2018**

S-2018-3408

Time : **2.00 P.M. TO 5.00 P.M**
Max. Marks : 100

N. B. :

1) **Q. No. 1** and **Q. No. 2** are **COMPULSORY**.
2) Attempt **ANY SEVEN** questions from **Q. No. 3** and **Q. No. 10**.
3) Figures to the right indicate **FULL** marks.
4) Draw neat and labelled diagram **WHEREVER** necessary.

Q. 1 Explain the various metabolic pathways that occur in erythrocytes. **(15)**

Q. 2 Discuss the sources, biochemical functions and deficiency manifestations of hemopoetic vitamins. **(15)**

Q. 3 Synthesis and catabolism of Purine Nuclotides. **(10)**

Q. 4 Synthesis and degradation of heme. **(10)**

Q. 5 Vitamin D : Skeletal and Extra-skeletal role. **(10)**

Q. 6 Formation and fates of Acetyl CoA. **(10)**

Q. 7 Formation and Fates of ammonia. **(10)**

Q. 8 What is Balanced diet? Discuss diet for ischemic heart disease patient. **(10)**

Q. 9 Digestion, absorption and transport of lipids. **(10)**

Q.10 Functions and deficiency of Trace elements. **(10)**

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