

Registration no:

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Total Number of Pages: 01

B.PHARM
PH.1.3

1st Semester Back Examination 2015-16

HAP-I

BRANCH: B.Pharm

Time: 3 Hours

Max Marks: 70

Q.CODE: T803

**Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.**

- Q1 Answer the following questions: (2 x 10)**
- a) Define Hypertension.
 - b) Give your views on Anaemia.
 - c) Characteristics of synovial joint.
 - d) Define blood clotting. Give examples of two artificial anticoagulants.
 - e) Differentiate between Artery and Vein.
 - f) What is a sarcomere?
 - g) Why lysosome is called as the suicidal sac of the cell?
 - h) Compare the statement of anatomy and physiology.
 - i) Write about the composition of lymph.
 - j) Define cardiac cycle.
- Q2 a) Write in detail about the composition and functions of blood. (5)**
- b) Add a note on blood grouping and its clinical significance. (5)**
- Q3 Write short notes on: (5 x 2)**
- a) Arteriosclerosis.
 - b) Lymph Nodes.
- Q4 Describe the anatomy of human heart with a neat labeled diagram. Add a note on double circulation. Mention about any two properties of cardiac muscles. (10)**
- Q5 Define tissue. Classify epithelial tissue with suitable examples. Add a note on hyaline cartilage. (10)**
- Q6 What is NMJ? Mention in detail the steps involved in skeletal muscle contraction. Add a note on gout (10)**
- Q7 a) Write notes on Nucleus. (5)**
- b) Write in detail about E.C.G. (5)**
- Q8 Write short notes on: (5 x 2)**
- a) Heart sound
 - b) Extrinsic mechanism of blood clotting.