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Roll No.....

Total No. of Questions : 10]

[Total No. of Printed Pages : 3

1.2.5.

Anatomy, Physiology and Health Education–I

(B.Pharmacy, 2nd Semester, 2122)

Time : 3 Hours] [Maximum Marks : 80

Note :– Section A is compulsory. Attempt any *four* questions from section B and any three questions from section C.

Section–A Marks : 2 Each

1. (a) Enlist the components of Plasma Membrane.

   (b) Give examples of *two* organs lined with Cuboidal Epithelium.

   (c) Name different types of troporins.

   (d) What is summation in muscle contraction ?

   (e) Which value is present at origin of Aorta ?

   (f) In ECG, which electrical activity of heart does QRS complex denote ?

   (g) What is Sickle Cell Anaemia ?

(h) How is haemoglobin metabolised after the life span of RBC over ?

(i) Name the *three* major types of Plasma proteins.

(j) Define the term 'Ejection Fraction'.

(k) Briefly describe the function of Plasminogen.

(l) What is Lymph ?

(m) Describe the effect of sympathetic activation on heart rate.

(n) Why do RBCs burst in hypotonic solution ?

(o) Write down *two* typical features of action potential of S.A. node.

Section–B Marks : 5 Each

2. Differentiate between passive and active immunity.

3. Enlist various subtypes of connective tissue.

4. Write down various steps of haemoglobin synthesis.

5. Describe the origin of various heart sounds.

6. Briefly describe the function of Lymph.

Section–C Marks : 10 Each

7. Describe the intrinsic pathway of Blood Coagulation.

8. Describe, in detail, the generation of action potential in S.A. node.

9. Discuss the role of renin-angiotensin system in regulation of Blood Pressure.

10. Explain the mechanism of Muscle Contraction.