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**DP—29—2022**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Pharm. (First Year) (First Semester) EXAMINATION**

**MARCH/APRIL, 2023**

**HUMAN ANATOMY AND PHYSIOLOGY-I**

<https://pharmacyindia.co.in/>

**Paper-BP-101-T**

**(Thursday, 16-03-2023)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time— Three Hours*

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*Maximum Marks—75*

- N.B. :—*
- (i) All questions are compulsory.
  - (ii) Draw a neat labelled diagram wherever necessary.
  - (iii) Answer to the point only.

1. Answer all the questions : <https://pharmacyindia.co.in/> 10×2=20

- (a) Draw a neat labelled diagram of Human cell.
- (b) Enlist the scope of anatomy and physiology.
- (c) Classify different types of tissues.
- (d) Name the different bones of skull.
- (e) Define the term articulation. <https://pharmacyindia.co.in/>
- (f) Give normal value of haemoglobin in male and female.
- (g) Give composition and functions of Lymph.
- (h) Enlist functions of spinal cord.
- (i) Differentiate between arteries and veins.
- (j) Define the term Bradycardia and Tachycardia.

2. Long answer (answer 2 out of 3) : <https://pharmacyindia.co.in/> 2×10=20

- (a) Draw a neat labelled diagram and Heart. Discuss in detail about systemic and pulmonary blood circulations.
- (b) Enlist various coagulation factors. Discuss in detail about intrinsic and extrinsic pathway of blood coagulation.
- (c) Describe in detail various intracellular and extracellular signalling cell communication.

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3. Long answer (answer 2 out of 3) :

7×5=35

- (a) Write anatomy and physiology of Erythrocytes.
- (b) Give structure and functions of skin.
- (c) Write a note on cardiac cycle. <https://pharmacyindia.co.in/>
- (d) Write a note on appendicular skeletal system.
- (e) Write a note on regulation of blood pressure by Baroreceptors.
- (f) Write a note Physiology of Hearing.
- (g) Write about structure and functions of parasympathetic nervous system. <https://pharmacyindia.co.in/>
- (h) Discuss about physiology of skeletal muscle on traction.
- (i) Write a note on Human basic life processes.

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