

M.Sc.(Zoology) CBCS Pattern Semester-III
PSCZOOT11-4 - Paper-XI Special Group : Animal Physiology Paper-II
(Physiology of Circulation)

P. Pages : 1

Time : Three Hours



GUG/W/23/11320

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw diagrams wherever necessary.

1. Describe Anatomy, Histology and nerve innervation of the heart. 16

OR

Write notes on:

- a) Pace maker and specialized conducting fibers. 8
- b) Blood pressure and factors affecting blood pressure. 8

2. Write a detail account on cardiac cycle. 16

OR

Write notes on:

- a) Hemodynamics. 8
- b) Cardiac Failure 8

3. Describe blood groups & Blood transfusion. 16

OR

Write notes on:

- a) Cellular composition of Blood. 8
- b) Causes & control of Hypoglycemia. 8

4. Give and Detail on Cascade of biochemical reactions involved in coagulation of blood. 16

OR

Write notes on:

- a) Transport of CO₂ by blood. 8
- b) Lymph-composition 8

5. Attempt to the following. 16

- a) Neurogenic Heart
- b) Cardiac output
- c) Hyperlipidemia
- d) Globulins
