

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/S/23/11320

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw a well labelled diagram whenever necessary.

1. Give an account on Anatomy of the heart. Add a note on heart valves. 16
- OR**
- Write notes on:
- a) Myogenic heart. 8
 - b) Pace maker. 8
2. Describe in details on Cardiac failure. 16
- OR**
- Write notes on:
- a) Hemodynamics. 8
 - b) Electrocardiogram (ECG) 8
3. Write an essay on Blood sugars - Causes and control of hypoglycemia and hyperglycemia. 16
- OR**
- Write notes on:
- a) Control of hypolipidemia. 8
 - b) Blood transfusion. 8
4. Describe in detail about Lymph - composition, formation and functions. 16
- OR**
- Write notes on:
- a) Plasma proteins. 8
 - b) Transport of O₂. 8
5. Attempt the following: 16
- a) Blood pressure.
 - b) Heart sound
 - c) Functions of blood
 - d) Haemostasis.
