

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11320

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answer with suitable diagrams.

1. Give detail account of Anatomy, Histology, and nerve innervation of the heart. 16

OR

Write note on.

- a) Neurogenic heart.
- b) Blood pressure.

2. Give detail account of cardiac cycle. 16

OR

Write note on.

- a) Heart sound
- b) Cardiac failure.

3. Give detail account on causes and control of Blood sugar's 16

OR

Write note on.

- a) Blood transfusion
- b) Function of blood.

4. Write in detail about transport of O₂ and CO₂ by blood. 16

OR

Write note on.

- a) Plasma proteins.
- b) Lymph.

5. Attempt the following. 16

- a) Pace maker
- b) Electro cardiogram (ECG)
- c) Blood group's
- d) Haemostasis
