

Rajiv Gandhi University of Health Sciences
II Semester M.Sc [Clinical Research] Degree Examination – OCT-2019

[Time: 3 Hours]**[Max. Marks: 100]**

HUMAN PHYSIOLOGY – INTEGRATED TEACHING IN MEDICINE
PAPER-IV

Q.P. CODE: 9688

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY**2 X 20 = 40 Marks**

1. What is cardiac failure? Explain the pathophysiology, etiology and management.
2. Describe different treatment regimen for Essential Hypertension.

SHORT ESSAY**5 X 10 = 50 Marks**

3. Mention any five ongoing clinical trials related to autoimmune diseases (Either in India or abroad).
4. Discuss the chemo preventive agents used in cancer therapy.
5. Define and normal values of a) Arterial blood pressure b) Pulse pressure and c) Mean arterial pressure.
6. Natural Killer cell.
7. Formation and function of immunoglobulins.

SHORT NOTES**2 X 5 =10 Marks**

8. Surrogate biomarkers of cardiovascular diseases.
9. Ethics committee's challenges on Cancer trials.
