

**First Year Examination of the Three -Year  
Degree Course, 2001**

(Faculty of Arts)

HOME SCIENCE

Paper-I

(Human Physiology)

Time : 3 Hours

[ Maximum Marks :75 ]

Candidate have to attempt **five** questions,  
selecting **one** question from each unit,  
All questions carry equal marks.

**UNIT-I**

1. (a) Explain the structure of Cell with the help of diagram.  
(b) Describe the different types of Blood groups. 10+5

**OR**

Write in detail about the systemic blood circulation in body. Discuss  
the factors which affect Blood Pressure. 10+5

**UNIT-II**

2. (a) Discuss in detail the bones of Trunk.  
(b) Describe the different types of Synovial Joints. 8+7

**OR**

Explain the organs of Respiratory System with the help of a  
diagram. Discuss the mechanism of Respiration. 10+5

**UNIT-III**

3. Explain the structure of Kidney with the help of diagram. Describe  
how urine is formed. 8+7

**OR**

Explain the digestion of food in Small Intestine. Discuss the digestion  
of Protein and Carbohydrates in body. 7+4+4

#### UNIT-IV

4. Discuss the different parts and functions of Hind Brain with help of diagram. 8+7

**OR**

- (a) Discuss Autonomous Nervous System in detail. 10  
(b) Explain Reflex Arc. 5

#### UNIT-V

5. Describe the structure of Eye with the help of diagram. Discuss about different defects of vision and how they can be cured. 9+6

**OR**

- (a) Discuss the Pituitary gland. 8  
(b) Describe the structure and functions of Tongue. 7