



**LONG ESSAY**

**1 X 10 = 10 Marks**

1. Describe the origin, course, termination and functions of pain pathway with a neat labeled diagram

**SHORT ESSAY**

**7 X 5 = 35 Marks**

2. How are reflexes classified? What are the properties of a reflex?
3. Draw a neat labelled diagram of visual pathway
4. Discuss the physiological changes during pregnancy
5. Describe excitation – contraction coupling
6. What is Asphyxia? What are the stages and symptoms of Asphyxia?
7. Describe the composition, function and regulation of succus entericus
8. Explain the cause, symptoms, prevention and treatment of erythroblastosis foetalis

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

9. List any six functions of hypothalamus
10. What is the normal value of PCV, MCH and colour index
11. Gastrin
12. Structure of cardiac muscle
13. Depict the innervation of urinary bladder with a neat labelled diagram

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