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**HSEIRKO - 13**

**81020-P**

**ZOOLOGY**

**(Biology)**

**Time : 1½ Hours + 15 Minutes extra to read the question paper]**  
**[Maximum Marks: 100]**

**(Long Answer Type Questions)**

1. Explain the terms  
(i) Sickle cell anaemia  
(ii) Alkaptonuria.

*Or*

Explain in brief modern synthetic theory of evolution.

2. Define Spermatogenesis. With the help of graphic sketch explain the processes involved in spermatogenesis.

*Or*

What do you mean by 'Contraception'? Write down the preventive measures for sexually transmitted diseases.

**(Short Answer Type Questions)**

3. Write down the symptoms of Malaria.
4. What do you mean by Vaccine Production and its uses?
5. Write a short note on assisted reproductive technologies.
6. Write down how inheritance of hemophilia takes place in man.

**(Very Short Answer Type Questions)**

Write a note on silkworm as an insect for human welfare.

2

What is Human Insulin ? Write down its uses.

2

What do you mean by Parturition ?

2

What is Hemophilia ? Why is it called Bleeder's disease ?

2

**(Objective Type Questions/M.C.Q.)**

Do as directed

(i) ..... was the link between man and other primates. (Fill up)

1

(ii) Dealkoholism is the process of overcoming drinking,

(Whether True/False)

1

(iii) Expand the term LSD.

1

(iv) Treponema pallidum is a :

(a) Bacterial agent

(b) Viral agent

(c) Protozoal agent

(d) Fungal agent

(Choose the correct one)

1

1

(v) Expand the term PKU.