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Total No. of Questions : 11]

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**HSEIRKO - 13**

**81020-Q**

**ZOOLOGY**

**(Biology)**

Time : 1½ Hours + 15 Minutes extra to read the question paper  
[Maximum M

**(Long Answer Type Questions)**

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

Or

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

2. What are Chromosomal Disorders ? Explain them in relation to Turner and Klinefelter's syndrome.

Or

Describe in brief the evolution of Man.

**(Short Answer Type Questions)**

3. Write a brief note on Amniocentesis.
4. What is DNA Finger Printing ? Write down its uses.
5. Write down the symptoms of Malaria.
6. What do you mean by Vaccine Production and its uses ?

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( 2 )

- What do you mean by Parturition ? 2
- What is Hemophilia ? Why is it called Bleeder's disease ? 2
- What do you understand by Alcohol abuse ? 2
- What are Biosafety issues ? 2

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

Do as directed

- (i) Treponema pallidum is a :
- (a) Bacterial agent
  - (b) Viral agent
  - (C) Protozoal agent
  - (d) Fungal agent (Choose the correct one)
- (ii) Expand the term PKU.
- (iii) Ramapithecus was the link between man and other primates.  
(Say yes/no)
- (iv) The process by which a person overcomes drinking is known as .....  
(Fill up)
- (v) Those who specialize in viruses and deal how they infect are  
(Whether True/False)  
Mycologists.

Turn Over