

No. of Questions : 11]

[Total No. of Printed Pages :

**HSEIRKON1**  
**15321-A**  
**ZOOLOGY**  
**(Biology**

: 1 ½ Hours]

[Maximum Marks: 30]

(Long Answer Type Questions)

5 each

Define asexual reproduction, mention various methods of asexual reproduction. Describe any *three* of them.

*Or*

Define Spermatogenesis. Explain it with diagrammatic representation.

Explain the Inheritance pattern of Haemophilia and colour blindness in human beings.

*Or*

Describe Darwin's theory of Natural selection.

Turn Over

HSEIRKON17-15321-A  
21-A

**(Short Answer Type Questions)**

3 each

- Write a short note on 'MTP'.
- Explain the mechanism of sex determination in birds.
- What is Cancer ? Explain the preventive measures of Cancer ?
- Write a short note on Genetic Engineering.

**(Very Short Answer Type Questions)**

2 each

- Explain in brief the term Amniocentesis.
- What is the significance of 'Human Genome Project' ?
- What do you mean by Alcohol abuse ?
- Write down the significance of cloning.

**(MCQ/Objective Type Questions)**

1 each

.. Do as Directed :

- (i) Give the full form of IVF
- (ii) The cranial capacity of *Homo sapiens* man is 1700 cc  
(True/False)
- (iii) The pair of chromosomes that are associated with sex determination are known as ..... (Fill in the blank)
- (iv) Who is known as the 'Father of Immunology' ?

( 3 )

(v) The spread of cancerous cells to distinct sites is termed as :

- (a) Carcinogenes
  - (b) Metastasis
  - (c) Benign Tumor
  - (d) Malignant neoplasm
- (Choose the correct one)