





# ZOOLOGY

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## HUMAN REPRODUCTIVE HEALTH





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### VERY SHORT ANSWER QUESTIONS

1) What are the measures to prevent contracting STDs?

**Ans:**

- i) Use of condoms. ✓
- ii) Avoiding sex with unknown partners.





## HUMAN REPRODUCTIVE HEALTH

2) What in your view are the reasons for population explosion, especially in India ?

**Ans :**

- i) Decreased death rate i.e., maternal mortality rate and infant mortality rate.
- ii) Increased health care





3) What is amniocentesis? Name any two disorders that can be detected by amniocentesis?

**Ans :**

The amniotic fluid is tested for diagnosis of genetic disorders. Such as Down syndrome, Turner's syndrome etc., before birth.





4) Mention advantages of lactational amenorrhoea method

**Ans :**

Ovulation does not occur during period of lactation after child birth.

It is a natural method of contraception.





### SHORT ANSWER QUESTIONS

5) Briefly describe the common sexually transmitted diseases in human beings.

**Ans :**

Disease transmitted through sexual contact is called sexually transmitted disease (STD).

These are :

- Gonorrhoea – *Neisseria gonorrhoeae*.
- Genital herpes – Herpes simplex virus (HSV).
- HIV / AIDS – Human Immunodeficiency virus (HIV).
- Hepatitis – B – Hepatitis – B – Virus (HBV).





6) Describe the surgical methods of contraception

**Ans :**

The prevention of pregnancy is called contraception

Its surgical methods are two types

i. **Vasectomy :**

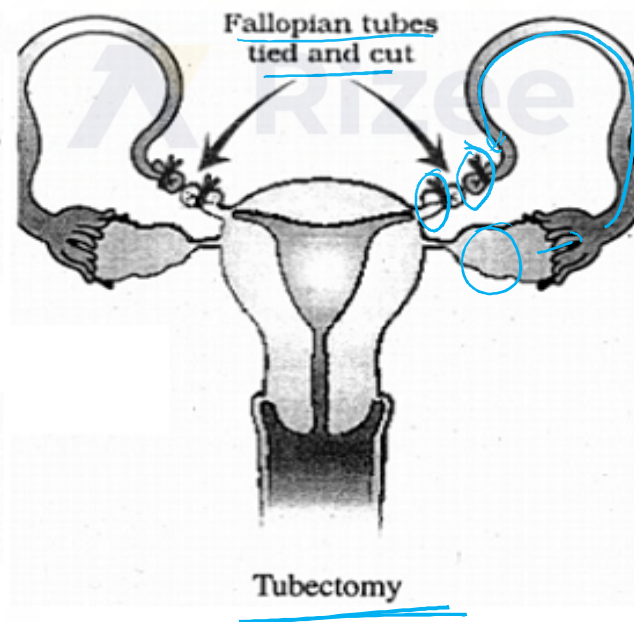
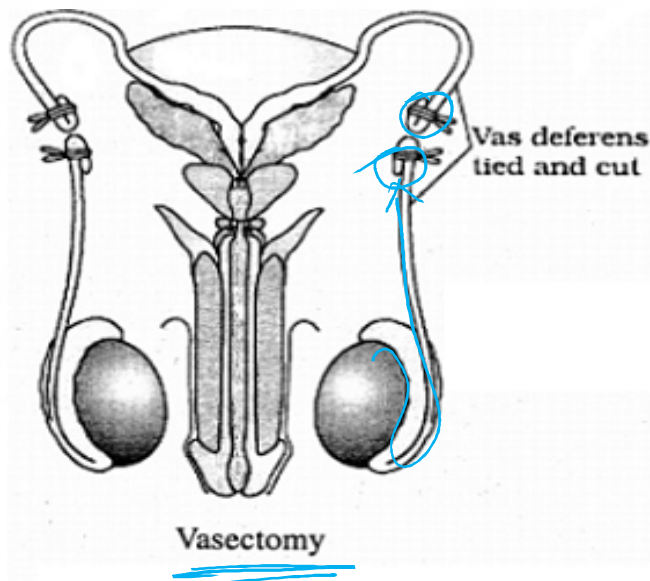
- The vas deferens on either side is cut and tied up.
- It prevents discharge of sperms in the seminal fluid.





### ii) Tubectomy :

- The fallopian tube on both sides is cut and tied up.
- It prevents the entry of ovum into the fallopian tube.





7) Write short notes on any two of the following. a) IVF, b) ICSI, c)

IUDs

**Ans:**

**a. IVF-ET :**

- "In vitro Fertilization and Embryo Transfer"
- The fertilization of sperms and ovum takes place outside the body.
- The early embryo is transferred into mother's uterus for development.

**b. ICSI :**

- Intra cytoplasmic sperm injection.
- The sperms are directly injected into ovum in laboratory
- The early embryo is transferred to mother's uterus.



### c. IUDs:

- Intra Uterine Devices.
- These reduce the motility, viability of sperms,
- These are :
  - i) Non medicated IUD
  - ii) Copper releasing IUD.
  - iii) Hormone releasing IUD.





8) Suggest some methods to assist infertile couple to have children.

**Ans :**

### 1. IVF – ET :

- "In Vitro Fertilization and Embryo Transfer"
- The fertilization of sperm and ovum takes place outside of the body
- The early embryo is transferred into mother uterus for development.

### 2. ZIFT : (Zygote Intra Fallopian Transfer )

- Sperm and ovum are fused in laboratory (out side the body)
- The zygote is transferred into fallopian tube of mother.

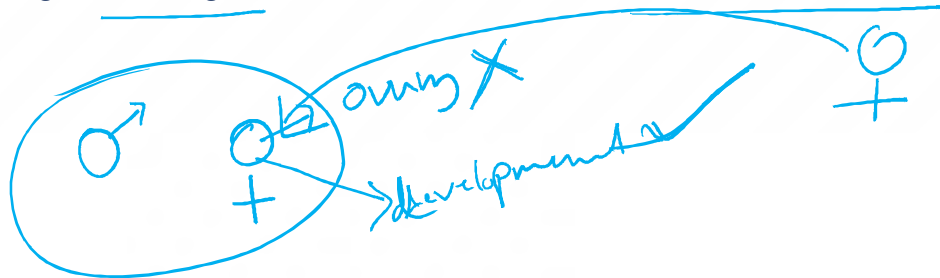


### 3. GIFT :

- Gamete Intra Fallopian Transfer.
- The Ovum of donor is transferred into recipient fallopian tube for fertilization

### 4. ICSI :

- Intra Cytoplasmic sperm injection.
- The sperms are directly injected into ovum in laboratory
- The early embryo transferred to mother uterus.





### 5. AI:

- "Artificial Insemination".
- The sperms are directly introduced into uterus for fertilization.

fertilization → zygote → blastocyst → fetus → baby

A large, light gray stylized letter 'R' is centered in the background. A yellow triangle is positioned to the right of the 'R', pointing downwards. The text 'THANK YOU' is centered over the 'R' in a bold, dark blue font.

**THANK YOU**

