

## Chapter- 1

## REPRODUCTION IN HUMANS.

**Sub-** Introductions cells, Asexual Reproduction-Binary fission, Multiple fission, Budding, Regeneration.

**Period-1****Level-1****1 Mark Questions****Easy-Very Short Answers**

1. Amoeba reproduces by

- (a) Binary fission                      (b) Budding                      (c) Fragmentation                      (d) Sexually

2. Asexual reproduction takes place through budding in:

- (a) Amoeba                      (b) Yeast                      (c) Plasmodium                      (d) Leishmania.

3. Which of the following organisms shows budding:

- (a) Hydra                      (b) Amoeba                      (c) Paramecium                      (d) Spirogyra

**Level-2****2 Marks Questions****Medium**

4. State the mode of asexual reproduction in Plasmodium

5. Name two animals that reproduce asexually

**Level-3****3 Marks Questions**

6. What is binary fission? Draw a diagram to show binary fission in Amoeba

7. What will happen when Planarians gets cut into two pieces?

**Level-4****5 Marks Questions**

8. What is regeneration? State a reason why a more complex organism cannot give rise to new individuals through this method.

**HOTS Questions**

9. Illustrate the process of regeneration in Planaria with help of a suitable diagram

10. a) Differentiate between reproduction and regeneration.

(b) Name any two organisms which grow by regeneratio

## Period-2

**Sub-** sexual reproduction in Animals, sperm and ova, Human Reproductive system, female reproductive system.

### Level-1

### 1 Mark Questions

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#### **Easy-Very Short Answers**

- 1: A male gonad responsible for production of sperms is \_\_\_\_\_  
(a) Testis (b) Ovary (c) Vas deference (d) Uterus
2. Fertilization in humans occurs in:  
(a) Uterus (b) Fallopian tube (c) Vagina (d) Urethra
3. Which of the following is not a part of the female reproductive system in human beings:  
(a) Ovary (b) Uterus (c) Vas deferens (d) Fallopian tube

### Level-2

### 2 Marks Questions

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#### **Medium**

4. Distinguish between a gamete and zygote. Explain their roles in sexual reproduction.
5. What are the male and female gonads in human beings known as?

### Level-3

### 3 Marks Questions

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6. (a) Which organ is responsible for implantation of zygote?  
(b) State the function of fallopian tubes
7. What would be the ratio of chromosome number between an egg and its zygote? How is the sperm genetically different from the egg?

### Level-4

### 5 Marks Questions

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8. In what respect is the human male gamete different from the female gamete? What is the importance of this difference?
9. What is the site of implantation and development of young one in human female?

#### **HOTS Questions**

10. The organisms formed by asexual reproduction are considered as clones Why? State the advantage of sexual reproduction over asexual reproduction

### Period-3

Sub- Human Male Reproductive system, Accessory glands.

#### Level-1

#### 1 Mark Questions

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##### **Easy-Very Short Answers**

- Which of the following is not associated with human male:  
(a) Prostate gland                      (b) Seminal vesicles  
(c) Cowper's glands                      (d) Perineal glands
- In the process of sexual reproduction:  
(a) Only males are needed  
(b) Both males and females are needed  
(c) Only females are needed  
(d) None of the above
- Sperm is a single cell  
(a) False                                      (b) True

#### Level-2

#### 2 Marks Questions

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##### **Medium**

- State the significance of human testes being located in the scrotum
- What are function performed by testis in human beings.?

#### Level-3

#### 3 Marks Questions

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- What is the role of the seminal vesicles and the prostate glands?
- Why do testes in mammals descend in scrotum?

#### Level-4

#### 5 Marks Questions

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- Describe the human male reproductive system with a labelled diagram.

##### **HOTS Questions**

- Reproduction is essentially a phenomenon that is not for survival of an individual but for the stability of a species. Justify.

**Period-4**

**Sub-** Fertilization, Implantation, Growth, Birth.

**Level-1**

**1 Mark Questions**

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**Easy-Very Short Answers**

1. The ovum released from the ovary is received by:  
(a) Uterus            (b) Vagina            (c) Oviduct            (d) Isthmus
2. why is it important that a very large number of sperms should be present in the semen?
3. What is fertilization and where does it take place in human females?

**Level-2**

**2 Marks Questions**

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**Medium**

4. what is meant by gestation period?
5. Define fertilization and implantation

**Level-3**

**3 Marks Questions**

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6. **How** does the embryo developing inside its mother's womb obtain its nutrition?
7. What changes are observed in the uterus subsequent to implantation of young embryo?

**Level-4**

**5 Marks Questions**

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8. How does a single celled fertilized egg grow into an adult body?
9. What is placenta? State its two roles during pregnancy

**HOTS Questions**

10. What is a clone? Why do offsprings formed by asexual reproduction exhibit remarkable similarity?

