

REVISION ASSIGNMENT- CLASS8-BIOLOGY

REPRODUCTION IN ANIMALS

VERY SHORT ANSWER TYPE QUESTIONS:-

I. Tick the correct option:-

1. Internal fertilization occurs in
  - (a)in female body      (b)outside female body
  - (c)in male body      (d) outside male body
2. A tadpole develops into an adult by the process of
  - (a)fertilization      (b)metamorphosis
  - (c)embedding      (d)budding
3. The number of nuclei in the zygote is
  - (a)none      (b)one      (c)two      (d)four

II. Fill in the blanks:-

1. \_\_\_\_\_ is the state of onset of sexual maturity in human beings.
2. \_\_\_\_\_ is very important for continuation of a species.
3. The \_\_\_\_\_ repeatedly divides to form an \_\_\_\_\_.

SHORT ANSWER TYPE QUESTIONS:-

1. Explain the following terms:-
  - (a) Reproduction
  - (b) Fertilization
  - (c) Zygote
  - (d) Metamorphosis
  - (e) Hermaphrodites
  - (f) Foetus
  - (g) Larva
  - (h) placenta
2. Differentiate between the following:-
  - (a) Reproduction & fertilization
  - (b) Internal & external fertilization
  - (c) Zygote & foetus

- (d) Sperm & ovum
  - (e) Oviparous & viviparous animals
  - (f) Twins & clones
  - (g) Asexual & sexual reproduction
3. Give reasons for the following:-
- (a) Gender of the resulting offspring is determined by the male parent in humans.
  - (b) Sex hormones regulate secondary sexual characters.
  - (c) Platypus & Echidna lay eggs but are not oviparous animals.
  - (d) Sperm needs to have motility.
4. Draw neat & labeled diagrams of the following:-
- (a) Human male reproductive system
  - (b) Human female reproductive system
  - (c) Human sperm

LONG ANSWER TYPE QUESTIONS:-

1. Explain where the embryo stays till it is fully developed and also explain how its nutritional , respiratory & excretory functions are carried out.
2. What is Asexual reproduction? What are the advantages of this method?
3. Explain the meaning of Binary Fission. Name a few organisms that reproduce like this & draw a series of diagrams to demonstrate this process in Amoeba.
4. Explain how budding occurs. Name a few organisms that reproduce like this & draw a series of diagrams to demonstrate this process in Hydra.
5. What is Metamorphosis? With the help of flow diagrams illustrate the life cycles of a Silkworm & Frog.