

Science

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(Chapter - 6) (Reproduction in Animals)
(Class - VIII)

Question 1:

Explain the importance of reproduction in organisms.

Answer 1:

- > Reproduction is essential for the continuation of a species.
- > It ensures the continuation of similar kinds of individuals, generation after generation.

Question 2:

Describe the process of fertilization in human beings.

Answer 2:

There is sexual reproduction in human beings. Male reproductive organs produce sperms (male gametes) while the female gametes produce ova (female gametes). The sperms are ejected inside female bodies where they fuse with ovum and forms zygote (called internal fertilization). The zygote begins to develop into an embryo which attaches to the female uterus wall. The embryo further multiples into many cells and develops further into a small baby called foetus.

Question 3:

Choose the most appropriate answer:

(a) Internal fertilization occurs

- (i) in female body.
- (ii) outside female body.
- (iii) in male body.
- (iv) outside male body.

(b) A tadpole develops into an adult frog by the process of

- (i) fertilization
- (ii) metamorphosis
- (iii) embedding
- (iv) budding.

(c) The number of nuclei present in a zygote is

- (i) none
- (ii) one
- (iii) two
- (iv) four.

Answer 3:

(a) (i) in female body.

(b) (ii) metamorphosis.

(c) (ii) one.

Question 4:

Indicate whether the following statements are True (T) or False (F):

(a) Oviparous animals give birth to young ones. ()

(b) Each sperm is a single cell. ()

(c) External fertilization takes place in frog. ()

(d) A new human individual develops from a cell called gamete. ()

(e) Egg laid after fertilization is made up of a single cell. ()

(f) Amoeba reproduces by budding. ()

(g) Fertilization is necessary even in asexual reproduction. ()

(h) Binary fission is a method of asexual reproduction. ()

(i) A zygote is formed as a result of fertilization. ()

(j) An embryo is made up of a single cell. ()

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