



SHIKSHA CLASSES

Sub. : Science
Std. : VIIIth (CBSE)

Question Paper
6 : Reproduction in Animals

Marks : 30
Time : 1 Hour

SECTION (A)

(Each - 1 Mark)

- Q.1 : The number of eggs produced in internal fertilisation is
- a) more than external fertilization
 - b) less than external fertilization
 - c) more or less than external fertilisation depending on the environmental conditions
 - d) equal to external fertilisation

OR

Reproduction is essential for living organisms in order to:

- a) Continue their species
 - b) Maintain growth
 - c) Fulfil their energy requirement
 - d) Keep the individual organism alive
- Q.2 : How many parents are involved in sexual reproduction?
- a) 0
 - b) 4
 - c) 2
 - d) 1

OR

After fertilisation, the _____ divides repeatedly to give rise to a ball of cells.

- a) Ovum
- b) Sperm
- c) Zygote
- d) Embryo

For question number 3 to 5 two statement are given one labeled Assertion (A) and other labeled Reason (R) select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below

- a) Both A and R are true and R is correct explanation of the assertion.
 - b) Both A and R are true but R is not the correct explanation of the assertion.
 - c) A is true but R is false.
 - d) A is false but R is true.
- Q.3 : **Assertion (A)** : The zygote is develops into a new individual in sexual reproduction or in animals.
Reason (R) : The zygote is not capable to develop new individuals in asexual animals.
- Q.4 : **Assertion (A)**: The babies born through IVF technique are called test tube babies.
Reason (R) : In IVF fertilization occurs out side the body.
- Q.5 : **Assertion(A)** : Hydra is a example of budding type of asexual reproduction.
Reason : Asexual reproduction involves male and female gametes.

Q.6 : Attempt any two.

- i) Budding is seen in _____.
- a) Humans b) Amoeba c) Hydra d) bacteria
- ii) Which of the following is not a part of the male reproductive system?
- a) Vas deferens b) Ovary c) Testes d) Penis
- iii) A Paramecium reproduces by dividing itself into two daughter cells. This process is called.
- a) Budding b) Regeneration c) binary fission d) vegetative propagation
- Q.7 : The female gamete produced by the ovary is called _____. It is haploid in nature.
- a) Zygote b) ovum c) blastula d) sperm
- Q.8 : Which of the following is the site of fertilisation in humans?
- a) Uterus b) Fallopian tube c) Ovary d) Vagina
- Q.9 : Which of the following is not an oviparous animal?
- a) Cow b) Silkworm c) Hen d) Frog
- Q.10 : Name the process in which tadpoles develop into young frogs.
- a) Budding b) Fertilisation c) Metamorphosis d) Embedding
- Q.11 : The male gamete is called the _____.
- a) Zygote b) Sperm c) Eggs d) ovaries
- Q.12 : The process by which organisms make copies of themselves is called _____.
- a) reproduction b) transpiration c) respiration d) photosynthesis
- Q.13 : Binary fission is observed in
- a) Hydra b) yeast c) Amoeba d) human being
- Q.14 : The eggs in females is produced by the
- a) testes b) Zygote c) Sperm d) ovaries

SECTION (B)

(Each - 2 Mark)

Q.15 : Explain the importance of reproduction in organisms.

OR

Describe the process of fertilisation in human beings.

Q.16 : Give the differences between a zygote and a foetus.

SECTION (C)

(Each – 3 Mark)

Q.17 : Choose the most appropriate answer.

a) Internal fertilisation occurs :

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

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

- i) fertilisation ii) metamorphosis iii) embedding iv) budding

c) The number of nuclei present in a zygote is

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

OR

Define asexual reproduction. Describe two methods of asexual reproduction in animals.

Q.18 : What is metamorphosis? Give examples.

SECTION (D)

(Each - 5 Mark)

Q.19 : Differentiate between internal fertilisation and external fertilisation.

OR

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 fertilisation takes place in the frog. ()
- d) A new human individual develops from a cell called a gamete. ()
- e) Egg laid after fertilisation is made up of a single cell. ()
- f) Amoeba reproduces by budding. ()
- g) Fertilisation is necessary even in asexual reproduction. ()
- h) Binary fission is a method of asexual reproduction. ()
- i) A zygote is formed as a result of fertilisation. ()
- j) An embryo is made up of a single cell. ()

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