

Marks: 30

Time: 40 min

1. With a labelled diagram, show the method of reproduction in Amoeba. What is it called? Justify whether it is asexual or sexual.

3

2. Name the primary sex organ in females. What is its role?

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3. Differentiate between-

- a. Oviparous and viviparous
- b. Sperm and ovum
- c. Hen's egg and frog's egg
- d. Fertilization and pregnancy

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4. Give reasons-

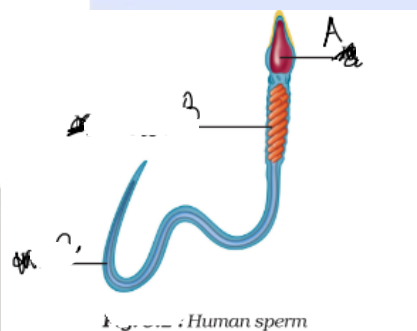
- a. Frog produces millions of sperm and eggs
- b. We cannot collect dog's eggs easily
- c. IVF is preferred by childless couples
- d. Lining of uterus thickens periodically

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5. Write the events that follow the release of egg from ovary until the birth of a child.

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- 6.



In the given figure of human sperm, label A B and C. What are their functions?

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7. Name the single cell from which we grow. Where is it formed?

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8. How does sexual reproduction lead to variation?

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9. Amit and Ajay are identical twins. Can we say that –

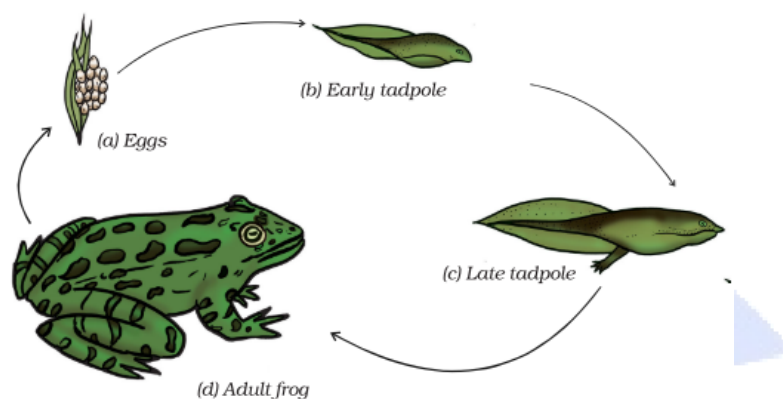
- a. They are clones of their mother
- b. They are clones of their father

c. They are clones of each other

Choose all statements that are true. Give reasons.

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10.

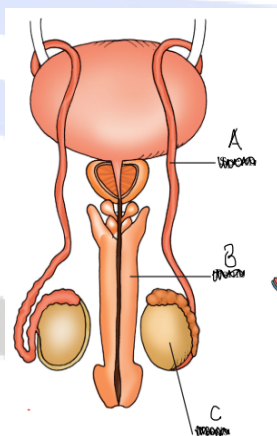


Observe the given figure and answer—

- How is a frog different from a tadpole? Write 2 points.
- A tadpole changes into frog through drastic changes, what is such development called?
- Name another animal that shows this phenomenon.

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11. In the given diagram, where is sperm produced?



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