



# BIOLOGY

## NCERT - NCERT BIOLOGY(TELUGU)

### REPRODUCTION - THE GENERATING SYSTEM

Improve Your Learning

1. Why do fish and frog produce a huge number of eggs each year?



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2. Give examples and explain what is meant by external fertilisation?



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3. Write differences between Grafting -Layering



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4. Write differences between

Stamen -Carpel



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5. Explain the process of fertilization in plants.



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6. What are the different modes of asexual reproduction? Cite them with examples.





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7. In what ways does sexual reproduction differs from asexual one? State at least three reasons.



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8. How are sperms cells adapted for their function?



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**9.** The menstrual cycle prepares the uterus for a fertilised egg. How long is an average menstrual cycle from start to finish?



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**10.** When the foetus is growing inside the uterus it needs nutrients. What provides these nutrients?



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**11.** Which type of substances are absorbed by foetus from the mother.



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**12.** What is the job of the amniotic sac ?



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**13.** What are the advantages of sexual reproduction ?





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**14.** How does reproduction help in providing stability to populations of species?



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**15.** Write the differences between mitosis and meiosis.



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**16.** What happens to the wall of the uterus during menstruation?



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**17.** 'All unicellular organisms undergo only mitotic cell division during favourable conditions" - Do you support this statement ?  
Why ?



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**18.** Vicky's father wants to grow a single plant having two desirable characters colourful flowers and big fruits. What method will you suggest him and why?



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**19.** Uproot an onion plant and take a thin section of its root tip. Stain it and observe under microscope. Draw as you see and identify the stages of the cell division.





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20. Visit a nearby village and collect information how farmers grow sugarcane, flowering plants like chrysanthemum, prime rose and vegetables like stem tubers, plump gourd (dondakaya) etc. Make a report and submit in class.



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**21.** Collect information from school library or using internet what vegetative methods are followed in your district as well as in your state to propagate various plants of economic importance.



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**22.** Make a flow chart to show the cell cycle and explain cell division describing different stages of mitosis.





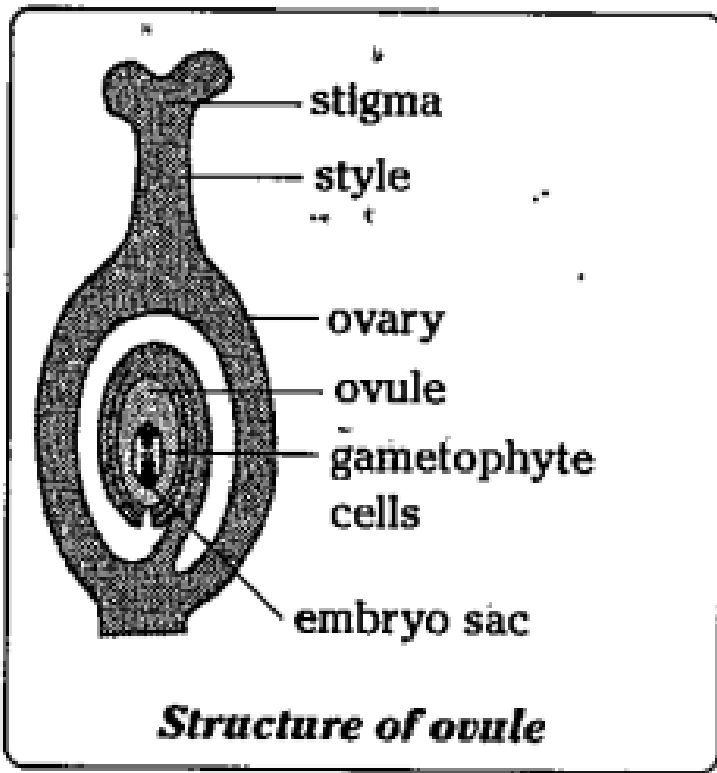
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**23.** Draw neat labelled diagrams of male and female reproductive system of plant.



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**24.** Observe the following part of a flowering plant. Prepare a note.



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**25.** Prepare a flow to explain the process of sexual reproduction in plants.



[Watch Video Solution](#)

**26.** Draw a neatly labelled diagram to explain plant fertilisation. Write a few points on pollen grain.



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**27.** What would be the consequences if there is no meiosis in organisms that reproduce sexually?





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**28.** How ill you appreciate cell division that help perpetuation of life?



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**29.** What precautions will you take to away from various sexually transmitted discases?



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**30.** Conduct a seminar on child marriages and foeticide.



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**31.** Why do fish and frog produce a huge number of eggs each year?



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**32.** Give examples and explain what is meant by external fertilisation?





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**33. Differentiate between:**

Sexual reproduction and Asexual reproduction.



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**34. Write differences between**

Stamen -Carpel



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**35.** Explain the process of fertilization in plants.



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**36.** What are the different modes of asexual reproduction? Cite them with examples.



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**38.** How are sperms cells adapted for their function?



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**40.** When the foetus is growing inside the uterus it needs nutrients. What provides these nutrients?



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**41.** What does the mother's blood take away from the baby and into the placenta?



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**42.** What is the job of the amniotic sac?



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**46.** What happens to the wall of the uterus during menstruation?



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**47.** All unicellular organisms undergo only mitotic cell division during favourable conditions-Do you support this statement? Why?



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**48.** Vicky's father wants to grow a single plant having two desirable characters colourful flowers and big fruits What method will you suggest him and why?



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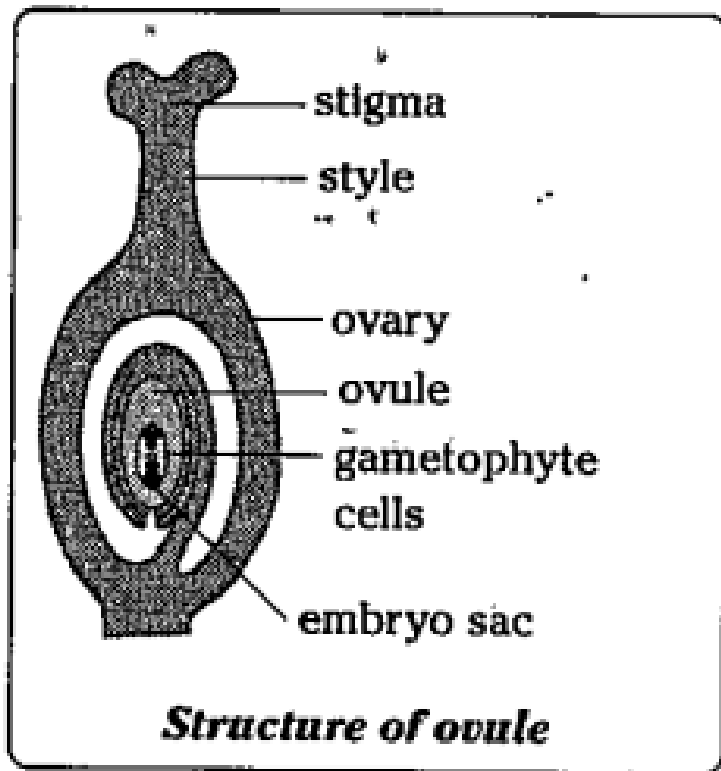
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## Choose The Correct Answer

1. The part of the female reproductive system that produces the eggs.....

A. Ovary

B. Epididymis

C. Cervix

D. Fallopian tube

**Answer:**



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2. The term that we use to describe a sperm cell fusing with an egg cell.....

A. Fragmentation

B. Fermentation

C. Fertilisation

D. Fusion

**Answer:**



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**3. Which part of the male reproductive system produces (human) the sperm cell?**

- A. Vasdeference
- B. Epididymis
- C. Seminiferous tubules
- D. Scrotum



**Answer:**



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4. How does the sperm break through the egg cell membrane? Choose the option you think is right.

- A. Tears a hole in the membrane
- B. Dissolves the membrane with chemicals
- C. Bites through the membrane with teeth

D. Squeezes through gaps in the  
membrane

**Answer:**



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5. Why are egg cells large than sperm cells?

Choose the option you think is right.

A. Egg cells have more cells in them

B. Have food store to help growth after fertilisation

C. Have thicker cell membranes

D. Have larger nuclei

**Answer:**



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6. Which of these things will affect the way a foetus grows? Choose the option you think is right.

A. Chemicals in cigarette smoke

B. Alcohol

C. Drugs

D. All of the above

**Answer:**



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7. Which of the following is the correct sequence of steps in the human life cycle?

Choose the right option.

A. Babyhood, childhood, adolescence,  
adulthood

B. Childhood, babyhood adulthood  
adolescence

C. Adolescence, babyhood, adulthood,  
childhood

D. None of these

**Answer:**



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