



# **BIOLOGY**

# BOOKS - USHA BIOLOGY (ODIA ENGLISH)

# **QUESTION PAPER 2016**

**Previous Year Question** 

**1.** During which stage of oogenesis the number of chromosomes is reduced to half?

A. Formation of first polar body

- B. Formation of second polar body
- C. Meiosis-II
- D. Division of secondary oocyte

### **Answer:**

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**2.** Which procedure is followed for amplification of DNA?

- A. Southern blotting
- B. Electrophoresis
- C. Autoradiography
- D. Polymerase Chain Reaction

## Answer:

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**3.** In which type of chromosomal aberration a submetacentric chromosome may be converted to a metacentric chromosome ?

## A. Deletion

- **B.** Duplication
- C. Paracentric Inversion
- D. Pericentric Inversion

### **Answer:**



**4.** During conduction of nerve impulse, what

causes repolarisation of nerves ?

A. Influx of Sodium inons

B. Efflux of Sodium ions

C. Efflux of Potassium ions

D. Influx of both Sodium and Potassium

ions

**Answer:** 

5. Which one of the following is not included

under in-situ conservation ?

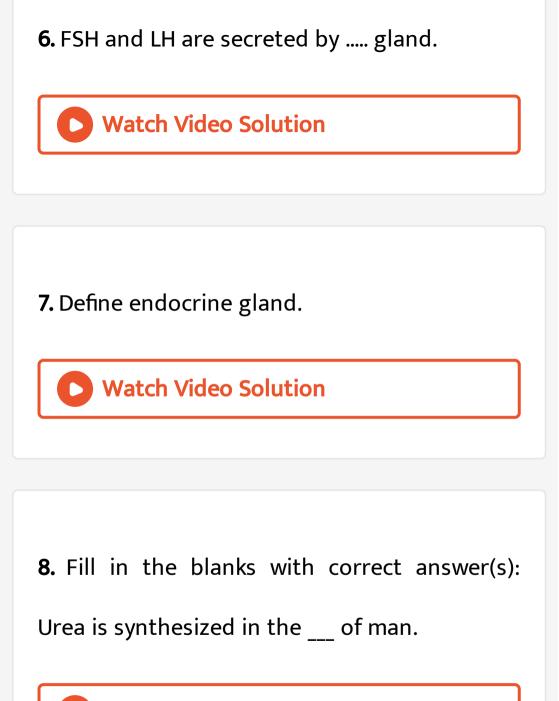
A. National Park

B. Wildlife Sanctuary

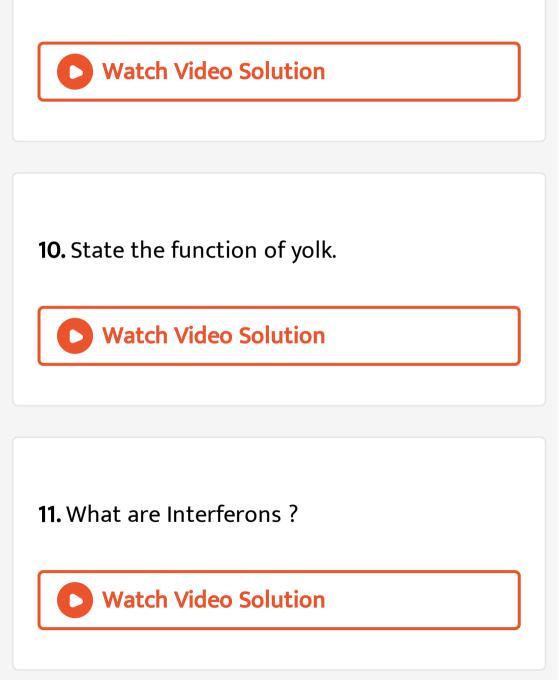
C. Zoological Garden

D. Biosphere Reserve

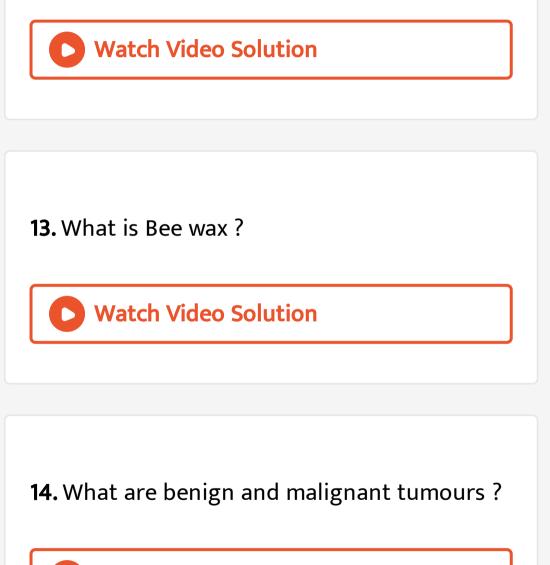
### **Answer:**



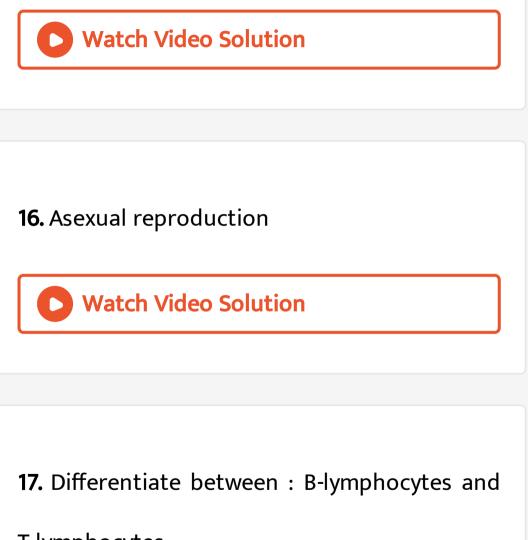
9. What is Autonomic Nervous System?



12. What is criss-cross inheritance?



**15.** State the role of Insulin.



T-lymphocytes

18. Differentiate between :Renewable and non-

renewable resources.



## 19. Differentiate between : Herbicides and

Pesticides.

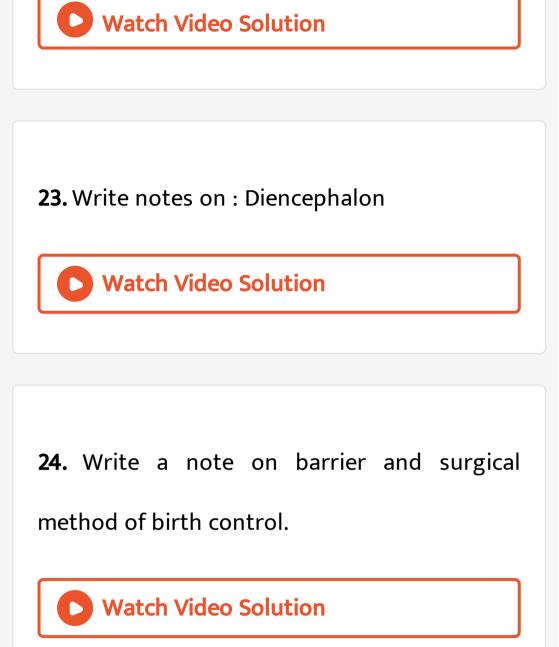
**20.** What do you understand by Reflex Action ?



# **21.** Give an account of the human male reproductive system.

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**22.** Explain chromosomal theory of sex determination.



**25.** Write notes on : Ozone depletion



26. Write notes on : Feedback mechanism in

hormone action