



# BIOLOGY

## BOOKS - BETOPPERS

### REACHINGN THE AGE OF ADOLESECENCE

#### Worksheet 1

1. Do human beings lay eggs as a hen does or they give birth to a baby?



**Watch Video Solution**

2. What is the function of epididymis?



**Watch Video Solution**

3. What happens to the sperms which stay within epididymis for long?



**Watch Video Solution**

4. What is the function of ovaries?



[Watch Video Solution](#)

5. How many eggs (ovum) are released by the ovaries every month?



[Watch Video Solution](#)

6. Name the male hormone which stimulates the formation of sperms in the testes.



**Watch Video Solution**

7. Name the two female sex hormones and their function,



**Watch Video Solution**

8. What do you understand by fertilization"?



**Watch Video Solution**

**9.** Name the product of the fusion of a sperm with ovum.



**Watch Video Solution**

**10.** In which organ of the female fertilization takes place?



**Watch Video Solution**

**11.** What do you understand by internal fertilization,



**Watch Video Solution**

**12.** What do you understand by external fertilization?



**Watch Video Solution**

**13.** What is an embryo?



[Watch Video Solution](#)

**14.** From where does the developing embryo obtain its nourishment?



[Watch Video Solution](#)

**15.** Name the point of attachment of the cord to the wall of the uterus.



[Watch Video Solution](#)

**16.** What do you understand by pregnancy?



**Watch Video Solution**

**17.** What is foetus?



**Watch Video Solution**

**Worksheet 2**

1. What is the importance of fertilization in sexual reproduction?



[Watch Video Solution](#)

2. Why do children resemble their parents?



[Watch Video Solution](#)

3. Pairing of chromosomes takes place when and unite to form a zygote.



**Watch Video Solution**

4. Why do most brothers and sisters look alike?



**Watch Video Solution**

5. How many chromosomes are there in the nucleus of a single sperm?



**Watch Video Solution**

6. How many chromosomes are there in the nucleus of a single egg?



[Watch Video Solution](#)

7. How many chromosomes come together in a zygote?



[Watch Video Solution](#)

**8.** What will be the sex of a baby developing from XX zygote?



**Watch Video Solution**

**9.** What will be the sex of a baby developing from XY zygote?



**Watch Video Solution**

**10.** What is foeticide?



[Watch Video Solution](#)

## Worksheet 3

1. What are glands?



[Watch Video Solution](#)

2. What are duct glands? Name any two.



[Watch Video Solution](#)

3. What are ductless glands? Name any two.



[Watch Video Solution](#)

4. Why do we call pituitary gland as the master gland?



[Watch Video Solution](#)

5. Which hormone causes sweating under fear?





**Watch Video Solution**

**6. What do you understand by puberty?**



**Watch Video Solution**

**7. Which is the age of adolescence?**



**Watch Video Solution**

**8.** What changes occur in the body of a boy during adolescence?



**Watch Video Solution**

**9.** Why do we call the age of a youth between 12 and 20 as teenage?



**Watch Video Solution**

**10.** List the similar changes taking place in both boys and girls during adolescence.



**Watch Video Solution**

**11.** List the changes taking place in girls only during adolescence.



**Watch Video Solution**

**12.** What do you understand by secondary sex characters?



**Watch Video Solution**

**13.** What is the function of FSH (hormone) from pituitary?



**Watch Video Solution**

**14.** What is 'female foeticide'?



Watch Video Solution

## Competitive Worksheet

1. Secondary sexual characteristics are characteristics that help distinguish between males and females. Which of the following characteristics is observed only in boys at the time of puberty?

A. Increase in height

B. Growth of hair in underarms

C. Increase in the size of larynx

D. Growth of hair in the pubic area

**Answer: C**



**Watch Video Solution**

2. Which of the following secondary sexual characteristics is observed only in girls at the time of puberty?

A. Development of testes

B. Development of breasts

C. Growth of hair in underarms

D. Growth of hair in the pubic area

**Answer: B**



**Watch Video Solution**

**3.** Which of the following secondary sexual characteristics is not observed in boys?

A. Growth of facial hair

B. Enlargement of larynx

C. Enlargement of ovaries

D. Growth of hairs on chest

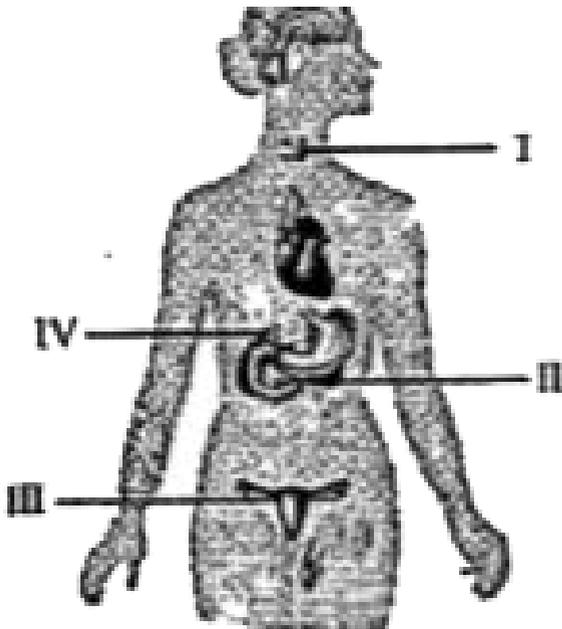
**Answer: C**



**Watch Video Solution**

**4.** The given illustration represents the human endocrine system. In the given illustration,

pancreas is labelled as



A. I

B. II

C. III

D. IV

**Answer: B**



**Watch Video Solution**

5. The changes that occur in the body of adolescents are under the control of hormones. Which hormone controls the development of secondary sexual characteristics in males during puberty?

A. Testosterone

B. Thyroxin

C. Estrogen

D. Insulin

**Answer: A**



**Watch Video Solution**

**6.** In females, ovaries produce a hormone that helps in the development of breasts at the onset of puberty. Which hormone is secreted by ovaries for the described function?

A. Testosterone

B. Estrogen

C. Thyroxin

D. Insulin

**Answer: B**



**Watch Video Solution**

7. The adrenal gland secretes adrenalin. Which of the following statements about adrenalin is correct?

A. It regulates the level of sugar in the blood

B. It maintains the balance of salt in the body

C. It controls the development of breasts in females

D. It controls the development of facial hair in males

**Answer: B**



**Watch Video Solution**

8. The absence of thyroxin hormone results in goitre. Which endocrine gland secretes thyroxin?

A. Testes

B. Ovaries

C. Thyroid

D. Pancreas

**Answer: C**



**Watch Video Solution**

9. Testes and ovaries secrete hormones that are responsible for the development of male and female secondary sexual characteristics.

Hormones from which gland stimulate testes and ovaries to secrete their respective hormones?

A. Thyroid

B. Pancreas

C. Adrenal gland

D. Pituitary gland

**Answer: D**



**Watch Video Solution**

**10.** In frogs, the metamorphosis of a tadpole into an adult frog is under the control of a hormone. Which hormone stimulates metamorphosis in frogs?

A. Testosterone

B. Adrenalin

C. Estrogen

D. Thyroxin

**Answer: D**



**Watch Video Solution**

**11.** The first menstrual flow in females is termed as \_\_\_\_ i \_\_\_\_ It begins at \_\_\_\_ ii \_\_\_\_ The information in which alternative completes the given statement?

A. i-menarche ii-puberty

B. i-menarche ii- Birth

C. i-menopause ii-puberty

D. i- menopause ii- birth

**Answer: A**



**Watch Video Solution**

12. \_\_\_\_ i \_\_\_\_ and \_\_\_\_ ii \_\_\_\_ are iron-rich food items that promote blood formation. Hence, they are essential for adolescents.

A. i-Spinach i- Rice

B. i- Wheat ii- Gram

C. i- Gram ii-Spinach

D. i-Spinach ii- Cabbage

**Answer: D**



**View Text Solution**

**13.** Which of the following food items is not a part of a balanced diet?

- A. Boiled rice
- B. Soft drinks
- C. Fruit juice
- D. Cooked cereal

**Answer: B**



**View Text Solution**

**14.** The increased activity of which gland in adolescents makes the body smelly?

A. Thyroid gland

B. Sweat gland

C. Sebaceous gland

D. Salivary gland

**Answer: B**



**Watch Video Solution**

**15.** AIDS is a disease that weakens the ability of the body to fight against diseases. Which organism causes AIDS?

A. Virus

B. Bacteria

C. Fungi

D. Protozoa

**Answer: A**



**Watch Video Solution**

**16.** Which of the following statements about AIDS is incorrect?

A. It is caused by virus

B. It is a sexually transmitted disease

C. It can be transmitted by eating food  
with an infected person

D. It can be transmitted from one person  
to another by sharing syringes

**Answer: C**



**Watch Video Solution**