



# BIOLOGY

# **BOOKS - ARIHANT PRAKASHAN**

# **VERY SIMILAR TEST 10**

Section A Botany Group A

 Anna sagar pond in Lapodiya village in mainly used for....purpose. A. irrigation

B. religious rituals

C. water the plants

D. drinking

#### **Answer:**

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2. After fertilisation, the ovary develops into.....

## A. seed

B. seed coat

C. fruit

D. fruit wall

## Answer:

3.	is	а	polym	erising	enzyme	which
elor	ngates	le	ading	strands	and	okazaki
frag	gments.					

A. Poly  $\gamma$ 

- B. Poly  $\delta$
- C. Poly  $\varepsilon$
- D. Poly  $\beta$

#### **Answer:**



**4.** The genotype of a person with Turner.s syndrome will be .....

#### A. 44 + XXY

#### $\mathsf{B.}\,44 + XYY$

 $\mathsf{C.44} + XO$ 

 $\mathsf{D.}\,44 + XXYY$ 

#### **Answer:**

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**5.** Fill in the blank: In pest control of crop plants \_\_\_\_\_ has pesticidal properties.

# A. Rhizobium

- **B.** Poxviruses
- C. Frankia
- D. Baculoviruses

#### Answer:



**6.** Correct the statement of each bit, if necessary, by changing the underlined word only:

The efficiency of biomass transfer from one

trophic level to another is approximately 10%.



7. Correct the statement of each bit, if necessary, by changing the underlined word only: Suckers of banana and Chrysanthemum are examples of I("underground")` stem.

8. Correct the statement of each bit, if necessary, by changing the underlined word only:

Cells of <u>endothecium</u> are ephemeral and degenerate completely before microspore mother cell undergo meiosis.

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**9.** Correct the statement of each bit, if necessary, by changing the underlined word

only:

<u>RNA Pol III</u> enzyme adds a poly-A tail of about 200 adenine nucleotide to the 3. end of the primary transcript.

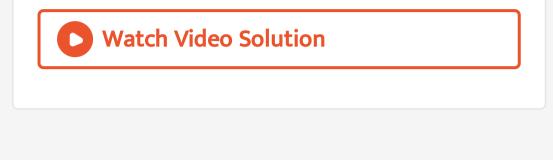


**10.** Correct the statement of each bit, if necessary, by changing the underlined word only:

Azotobacter is a symbiotic bacteria involved

in process of biological nitrogen-fixation in

roots of legumes.



## Section A Botany Group B

1. Write notes on any three of the following

each with two to three important points:

Sedimentary cycle



2. Write notes on any three of the following

each with two to three important points:

Parasitic adaptations



3. Write notes on any three of the following

each with two to three important points:

Significance of vegetative propagation



4. Write notes on any three of the following

each with two to three important points:

Adaptations of self-pollination

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5. Write notes on any three of the following each with two to three important points:

Objectives of hybridisation

6. Write notes on any three of the following

each with two to three important points:

Applications of DNA fingerprinting



# 7. Differentiate with three to four important

points between Anemophily and hydrophily



8. Differentiate between any one pair of the following with three to four important points: Sex ratio and age distribution



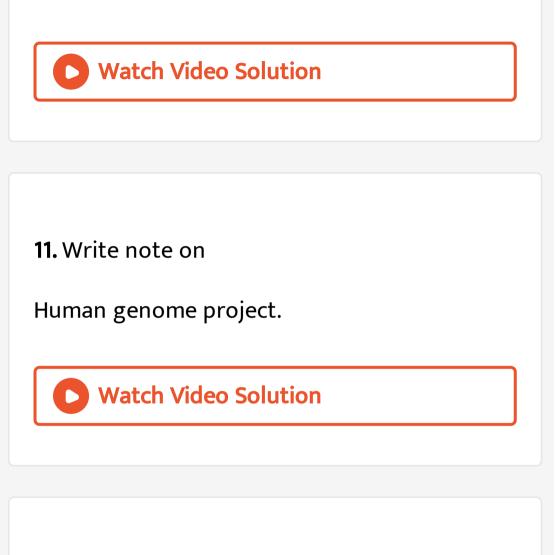
**9.** Differentiate between any one pair of the

following with three to four important points:

Honey and beeswax



# **10.** Describe significance of fruit formation.



#### 12. Give an account of the lac operon in E.coli.

13. Write Shortnotes on: Microbes in

household products

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# Section B Zoology Group A

**1.** By suppressing the expression of which enzyme, the process of fruit ripening can be delayed?



2. Name the property of normal cells by which

uncontrolled growth of cell is inhibited.

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**3.** The placental hormone which inhibits contractions in uterine wall is

A. chorionic gonadotropin

B. progesterone

C. relaxin

D. human placental lactogen

#### **Answer:**

Watch Video Solution

**4.** Which contraceptive method involves withdrawal of penis from vagina just before ejaculation?

A. Periodic abstinence

## B. Coitus interruptus

C. Lactational amenorrhea

D. MTP

## Answer:

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# 5. When the ratio of X/A=1.0 in genic balance

# theory, which type of sex is expressed?

A. Triploid female

B. Normal female

C.

D. Both (i) and (ii)

#### Answer:

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# 6. Fine Needle Aspiration Cytolopy (FNAC) is a

method for diagnosis of  $\underline{\mathrm{HIV}}$ 

.....is a digenetic nematode parasite,
 transmitted by mosquitoes like Culex, Aedes or
 Anopheles.



**8.** Diseases like arthritis, cardiovascular diseases, brain diseases, etc., are non-

communicable and ......diseases.

9. The environment of primitive earth was.....in

nature.

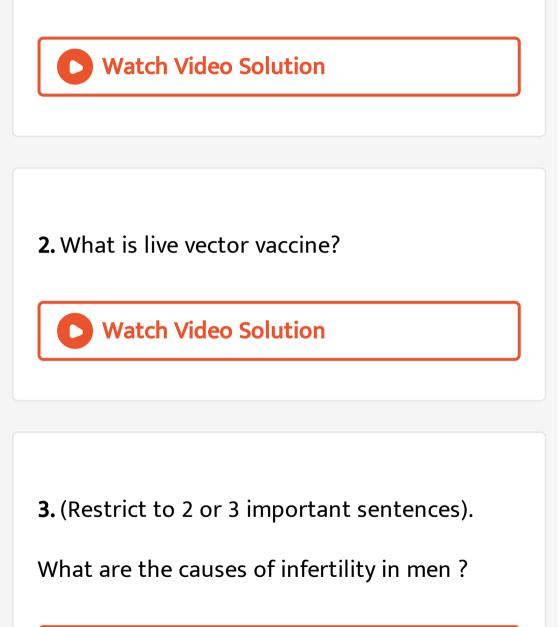


**10.** Some viral diseases of <u>plants</u> are Newcastle.s disease Marek.s disease, fowlpox, etc.

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Section B Zoology Group B

**1.** What is alcohol abuse or alcoholism?



# **4.** What is fossilisation?

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5. Opiate narcotic is :

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6. What is white revolution?

7. Differentiate between any one of the following pairs (restrict the answer to three or four important differences)
Physical changes of Adolescence and Behavioural Changes of adolescence
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**8.** Differentiate between any one of the following pairs (restrict the answer to three or

four important differences)

Chemical evolution and Biological evolution



**9.** Differentiate between any one of the following pairs (restrict the answer to three or four important differences)

Treatment of cancer and Treatment of AID

10. Write notes on any two of the following

Thalassemia

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11. Write notes on any two of the following

Spermatogenesis



12. Write notes on any two of the following

T.S. of human testis

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13. Describe the roles of male accessory glands

with respect to semen production.

14. Write short notes on the following

Chromosomal basis of inheritance.

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**15.** Describe the two types of gene therapy. Also mention ethical concerns associated with gene therapy.