



BIOLOGY

BOOKS - USHA BIOLOGY (ODIA ENGLISH)

MOST PROBABLE MODEL

Most Probable Model

1. Which of the following hormone is secreted

by Placenta?

A. Growth

B. Insulin

C. Oxytocin

D. Human Chorionic Gonadotropin

Answer:

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2. Which of the following is the genetic material of HIV?

- A. Double stranded DNA
- B. Single straded DNA
- C. Double stranded RNA
- D. Single stranded RNA

Answer:

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

A. Formation of 1st Polar body

B. Formation of 2nd Polar body

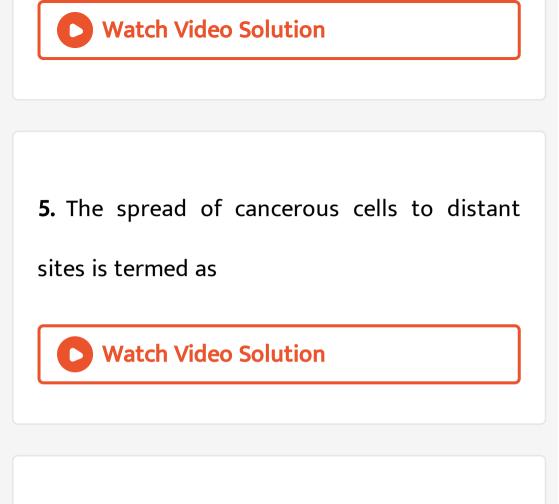
C. Meiosis-II

D. Division of Second oocyte

Answer:

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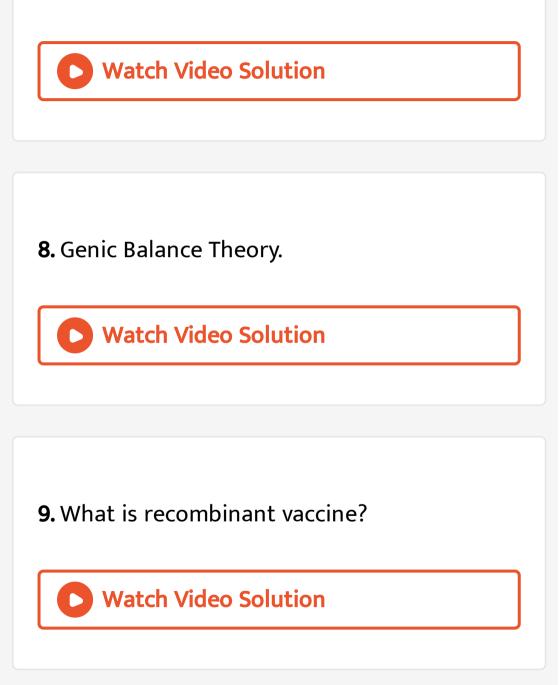
4. Fill up the blanks with correct answer(s): Genetically engineered animal is called a animal.

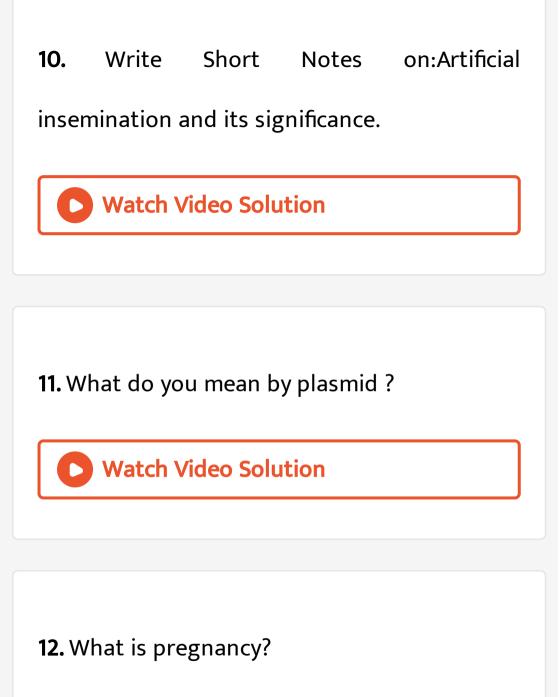


6. Synthetic DNA is synthesized with the help

of enzyme _____ on DNA template.

7. What is Amniocentesis?





13. Difference between:Vasectomy and

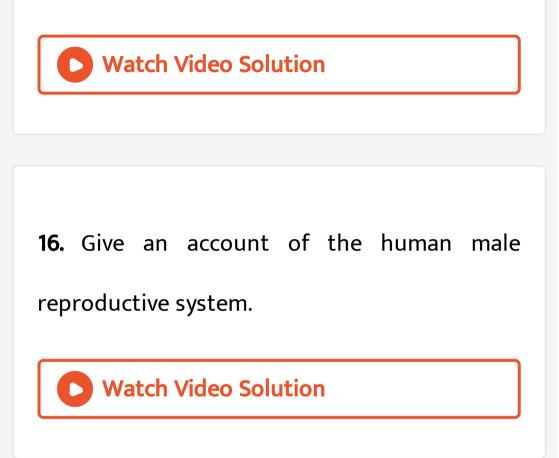
Tubectomy

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14. Differentiate between: Exonuclease and

Endonuclease.

15. Differntaite between antibody and antigen.



17. Describe the stages of spermatogenesis and differentiate it from oogenesis.



18. What is sex linked inheritance? Explain taking with examples of colourblindness and haemophilia.

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19. Write a notes on: Sex determination in

honey bee.

20. Write a notes on: Biosafety issues.

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21. Write a notes on: Steps of r-DNA technology and its applications.

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22. Write short notes on : Filariasis





23. Which of the following Bt crop is being grown in India by the farmers?

A. Cotton

B. Brinjal

C. Rice

D. Maize

Answer:

24. Which one of the following is correct for human population growth?

A. Lag

B. Stationary

C. Exponential

D. None of these

Answer:

25. Which of the following is Diacetyl morphine?

A. Heroin

B. Hashish

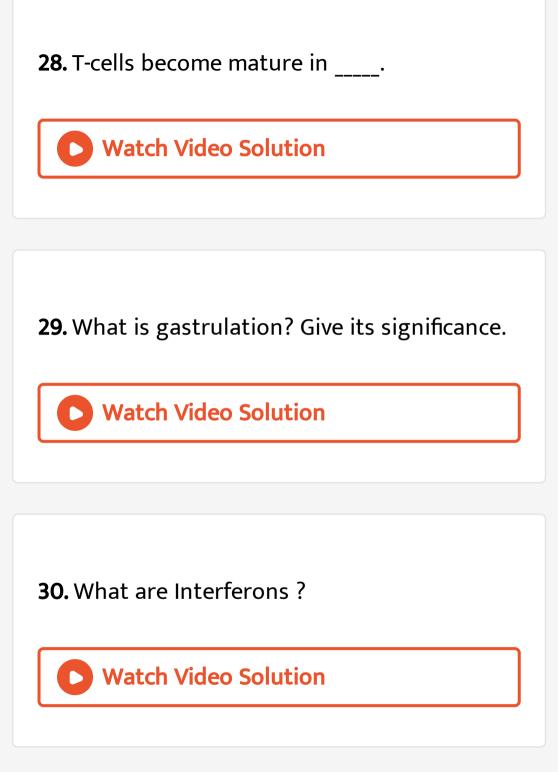
C. LSD

D. Cocaine

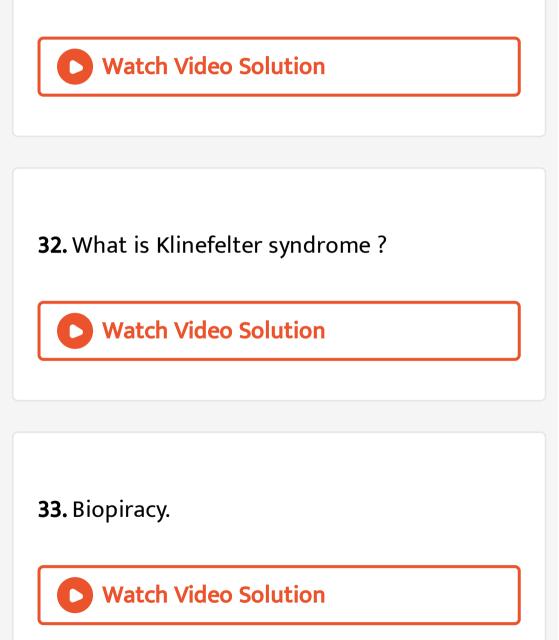
Answer:

26. Fill up the blanks with correct answer(s): The process of synthesis of yolk in the oocyte of female is known as _____. Watch Video Solution **27.** Fill up the blank :The defect with tistis due

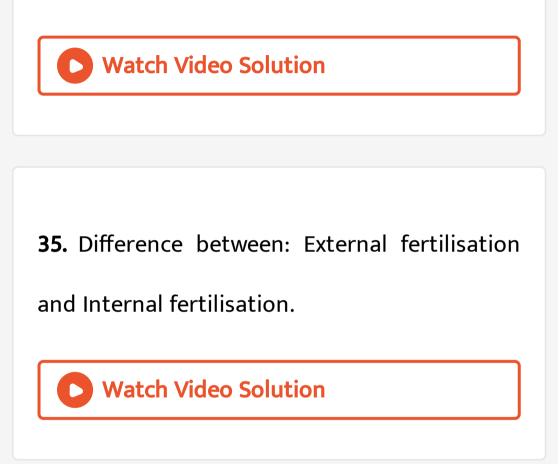
to which very less number of sperms are produced is called .



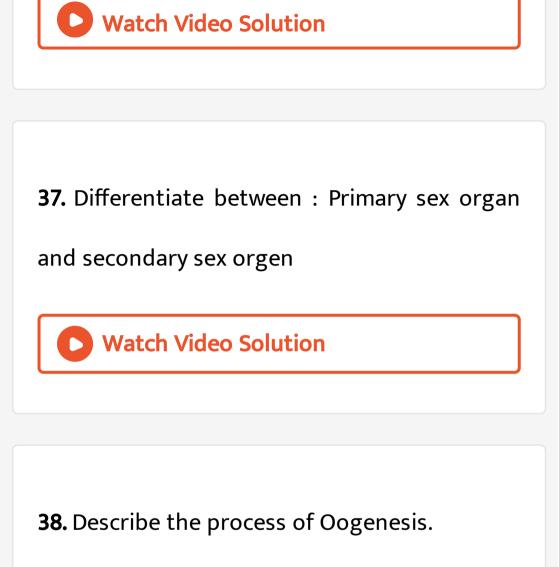
31. What are functions of sertoli cells ?



34. What are the causes of female infertility?



36. Distinguish between humoral immunity and cell-mediated immunity.



39. Give an account of the human female

reproductive system,

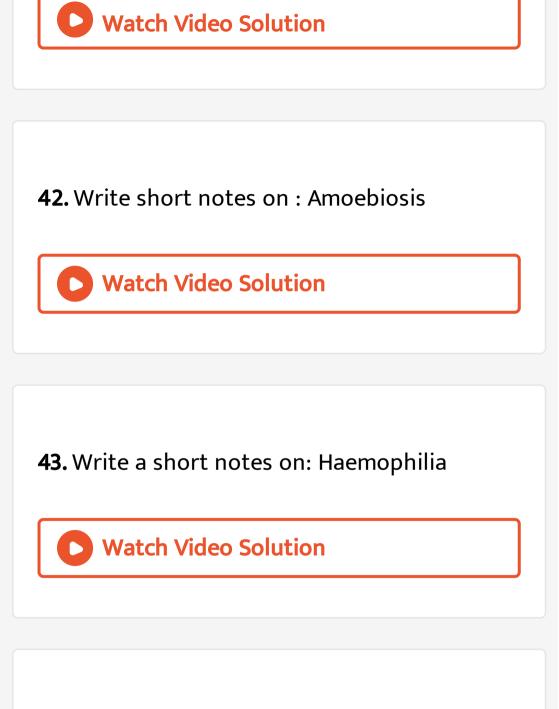
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40. Give an account of the chromosomal basis

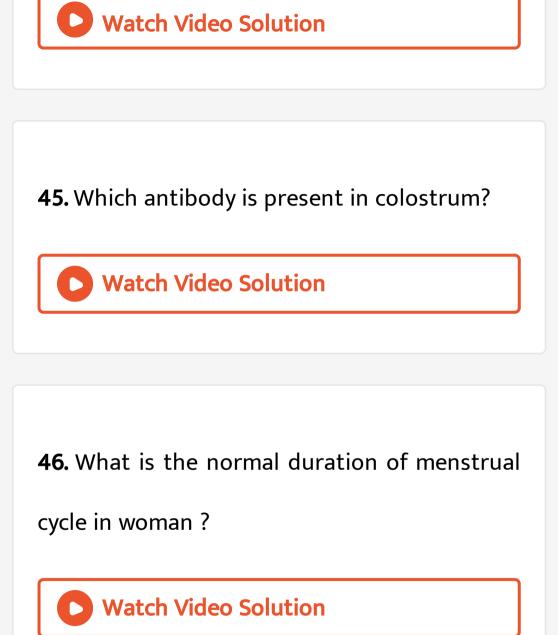
of sex determination.



41. Write a notes on: Biosafety issues.



44. Write notes on : Cancer



47. What type of technique is used for amplification of DNA ?
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48. Fill up the blank :The defect with tistis due to which very less number of sperms are produced is called ____.

49. If a haemophilic man marries a normal woman, all the daughters will be_____.

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50. Explain STD?

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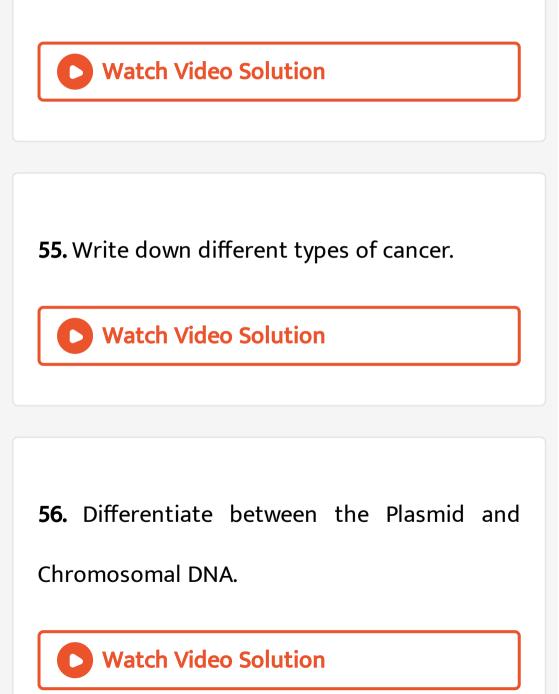
51. What is MTP?

52. What do you mean by genetically modified organism (GMO) and its applications in agriculture. [2018(A)]

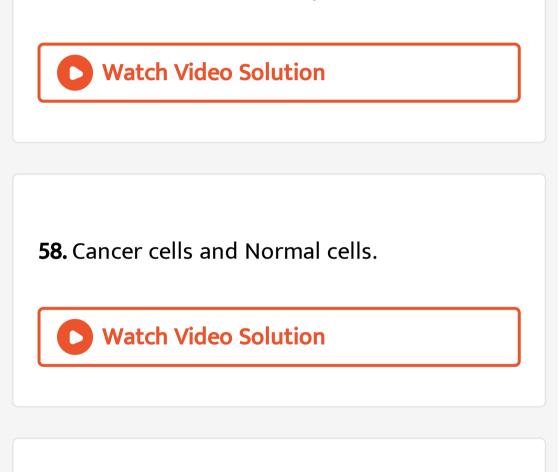
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53. What is Turner's syndrome?

54. What are the functions of placenta ?



57. Differentiate between sperm and ovum.



59. Explain the chromosomal basis of sexdetermination in animals.

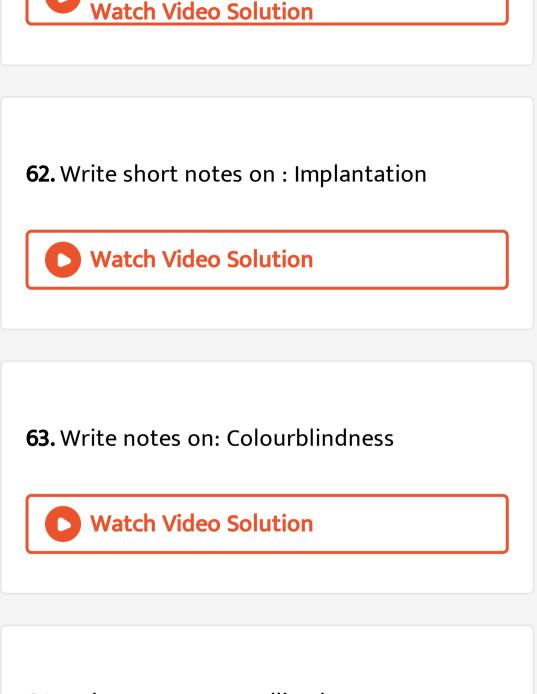


60. Give an account of the chromosomal disorders in humans with reference to Down's syndrome, Klinefelter's syndrome and Turner's syndrome.

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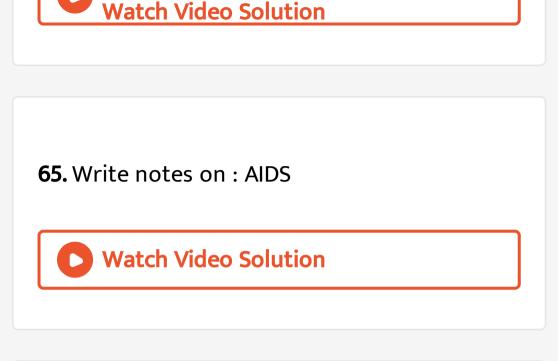
61. Give an account of the human male reproductive system.





64. Write notes on: Fertilization





66. AIDS is caharacterised by sharp reduction in number of :

A. Suppressor T-cell

B. B-lymphocytes

C. Killer T-cells

D. Helper T-cells

Answer:

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67. LSD IS a :

- A. Antidepressant
- B. Hallucinogen
- C. Stimulant
- D. Narcotic

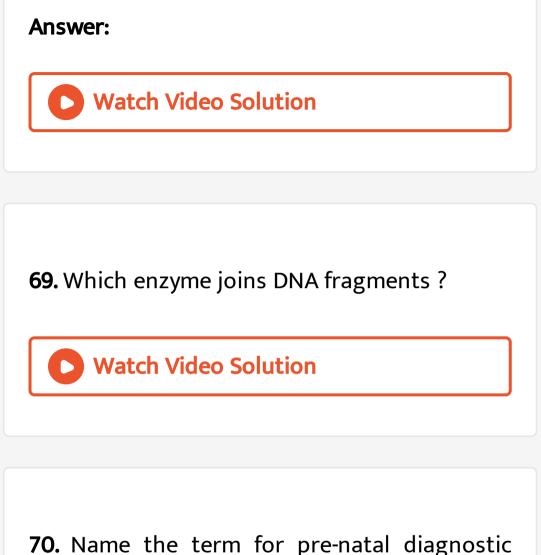




68. Which of the following enzyme is used in genetic engineering?

A. DNA age

- B. Restriction endonuclease
- C. Topoisomerase
- D. Translocase



technique aimed to know the sex developing

foetus and congenital disorder.



71. Fill up the blanks with correct answer(s):The confirmative test for AIDS is blotting.

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72. Fill up the blanks with correct answer(s) :

Cerebral malaria is caused by _____.

73. The milk produced during initial stage of

lactation is called____.

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74. What is lactation ? Write down its

mechanism.



75. Mention the causes of drugs addiction?

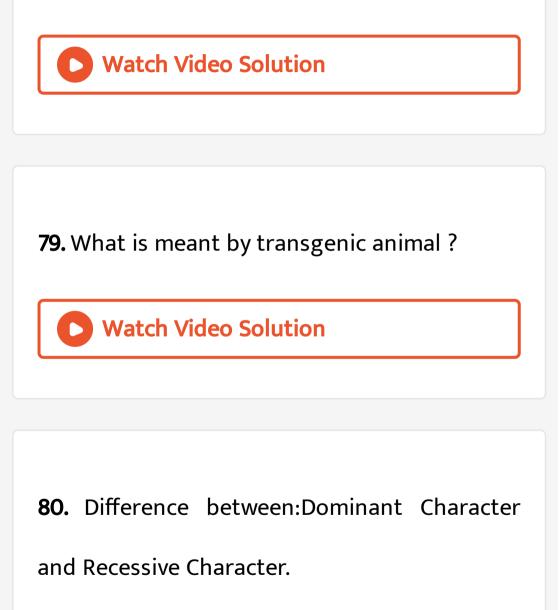


76. What do you mean by surrogate mother? Explain.

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77. Write notes on: Biopatent

78. What is AIDS? How can it be prevented?



81. Difference between:Benign Tumour and

Malignant Tumour.



82. Differentiate between: Stimulants and

Hallucinogens.



83. Briefly describe the various stages of recombination DNA technology of genetic engineering and its applications.



84. Give an account of the human female reproductive system,



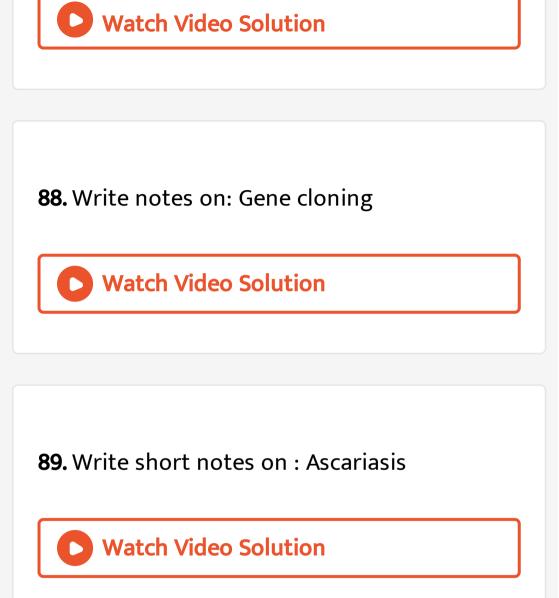
85. What is sex linked inheritance? Explain taking with examples of colourblindness and haemophilia.



86. Write notes on: Cell mediated immunity



87. Write note on Thalasemia.



90. Determination of sex of a child depends

upon ----

A. Nature of sperm

B. Nature of egg

C. Health of father

D. Age of mother

Answer:

91. Short lived immunity acquired from mother

to foetus across the placenta provides

A. Active immunity

B. Cell mediated immunity

C. Passive immunity

D. None of these

Answer:

92. If a female physically develop male secondary sexual character, the syndrome is

A. Turner syndrome

B. Down's syndrome

C. Klinefelter's syndrome

D. Super female

Answer:

93. What is the number of chromosornes in

the polar body of human ?

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94. Which is the common ancestor of great

apes and men?

95. Fill up the blanks with correct answer(s) : Non-cellular layer that surrounds the human egg is _____.



96. The fusion of male and female pronuclei is

called



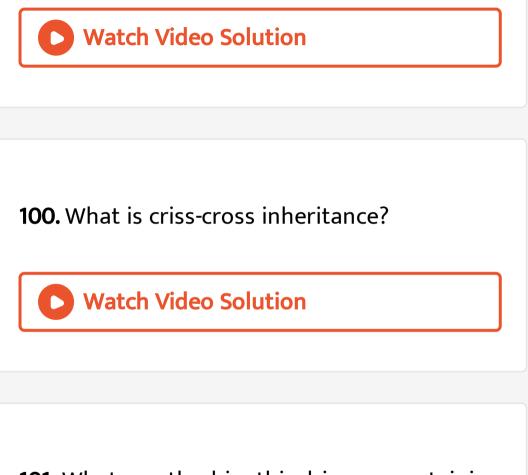
97. Fill up the blanks with correct answer(s) : Study of antigen and antibody reaction is Known as _____.



98. What is fertilization and give its significance?



99. What is tubectomy ?



101. What are the bioethical issues pertaining

to biotechnology?

102. What are the social implications of alcoholism?



103. Write on the treatment of malaria.



104. Difference between:Temporary birth control and permanent birth control. Watch Video Solution **105.** Differentiate between:Innate immunity and Acquired immunity.

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106. Differentiate between: r-DNA and c-DNA.



107. Give an account of the human male reproductive system.

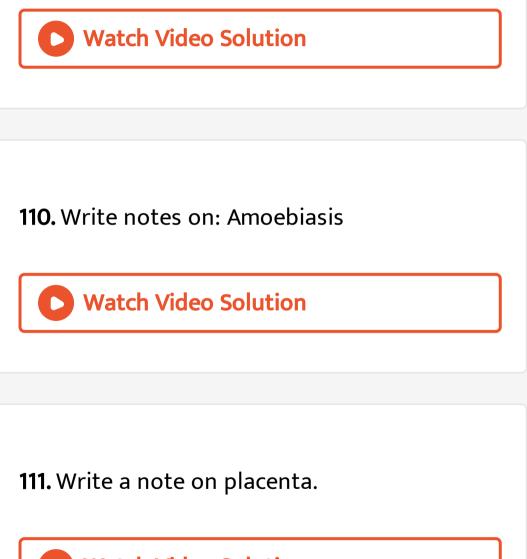
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108. Explain various theories of sex

determination in animals.

109. Describe the stages of spermatogenesis

and differentiate it from oogenesis.



112. Write notes on : Genetically modified organism.

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113. Write notes on : AIDS

114. Which layer of the uterus is shed off

during menstruation ?

A. Endometrium

B. Myometrium

C. Perimetrium

D. Pericardium

Answer:

115. Lippes loop is the example of—

A. female condom

B. non-medicated IUD

C. hormone releasing

D. Barrier method of contraception

Answer:

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116. Gene for haemophilia is —

- A. X-linked recessive
- B. X-linked dominant
- C. Y-linked
- D. Autosomal.

Answer:

Watch Video Solution

117. Which enzyme is released from the

acrosome of sperm head ?



118. Which is the most valuable and effective

analgestic derived from opium ?



119. The phenomenon of inheritance in which the father passes its sex-linked character to his daughter who in turn passes it to the grandson is called -----

120. Fill up the blanks with correct answer : DNA used as a carrier for transferring a fragment of foreign DNA into a suitable host is called ____.

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121. Fill up the blanks with correct answer : Hypersensensitivity of the body against foreign particles is called ____.





122. Write notes with 2 to 3 important points :

Control of malaria

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123. Write notes with 2 to 3 important points :

Advantages of sexual reproduction

124. Write notes with 2 to 3 important points :

Spermiogenesis.



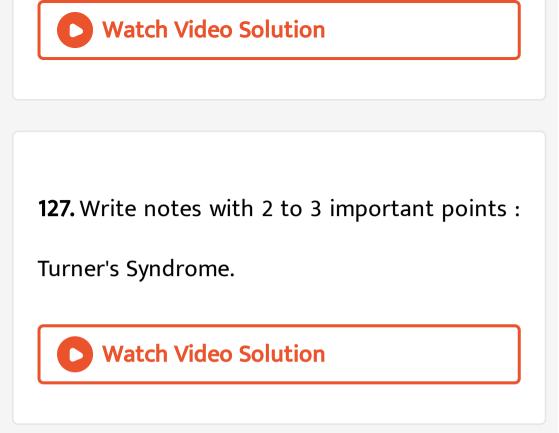
125. Write notes with 2 to 3 important points :

Genetically modified organism

Watch Video Solution

126. Write notes with 2 to 3 important points

:Causes of drug addiction?



128. Differentiate between : Immunodeficiency

and Autoimmune diseases

 129. Difference between:Combined pills and

 Minipills.

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130. Difference between:Haemophilia -A and

Haemophilia-B.

131. Give an account of the human male reproductive system. Watch Video Solution 132. Explain various theories of sex determination in animals. Watch Video Solution

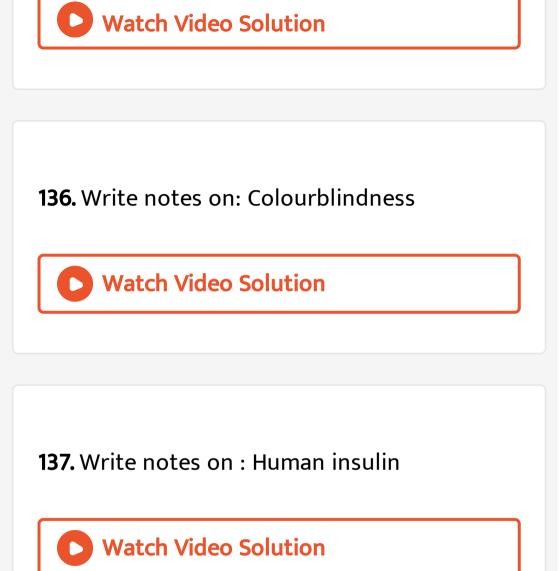
133. Briefly describe the various stages of recombination DNA technology of genetic engineering and its applications.



134. Write notes on : Oogenesis



135. Write notes on : Multiple fission



138. What are the gene pair signifying a trait called?

A. Hybrid

B. Phenotype

C. Pure line

D. Alleles

Answer:

139. Which one of the following is concerned

with asexual reproduction ?

A. zygote

B. spores

C. Gametes

D. Gonads

Answer:

140. Which restriction enzymes are ideal for

recombinant DNA technology?

A. Type-I

B. Type-II

C. Type-III

D. Type-IV

Answer:

141. Which day is observed as world 'No

Tobacco' day ?



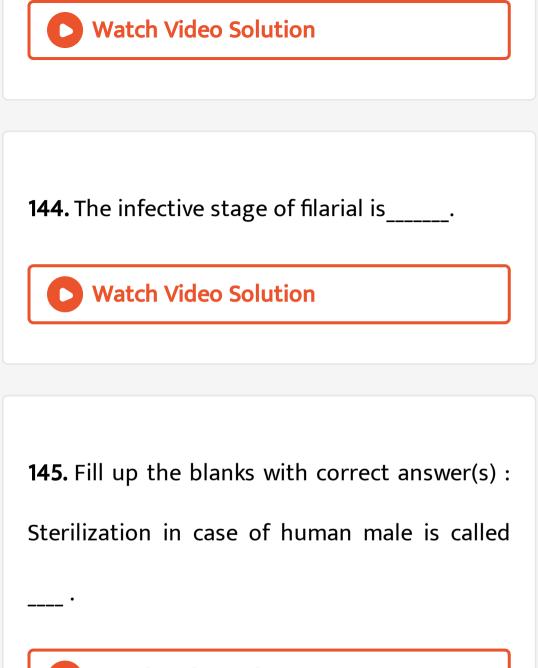
142. Which enzyme is used to synthesize the

DE 'A by using m-RNA as a template.

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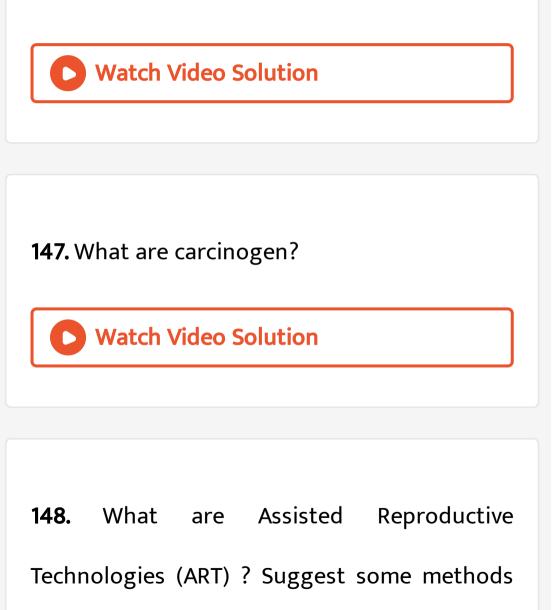
143. Fill up the blanks with correct answer(s):

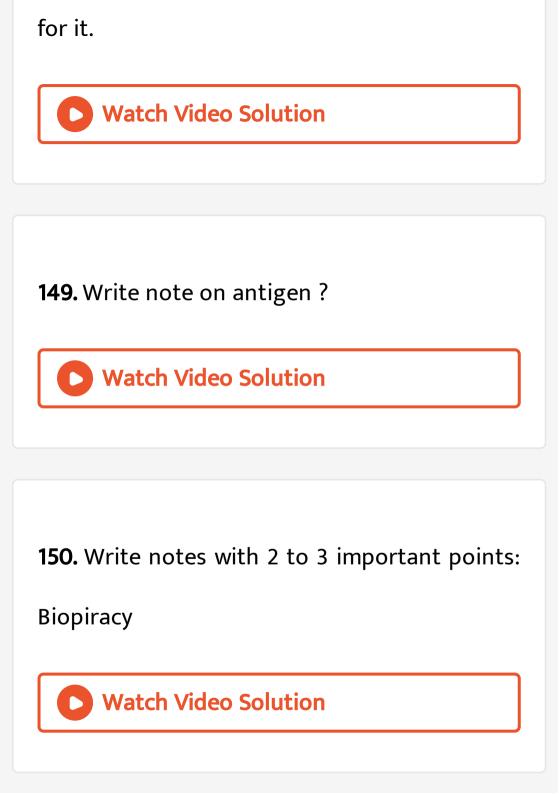
L.S.D. is a natural ___ drug.



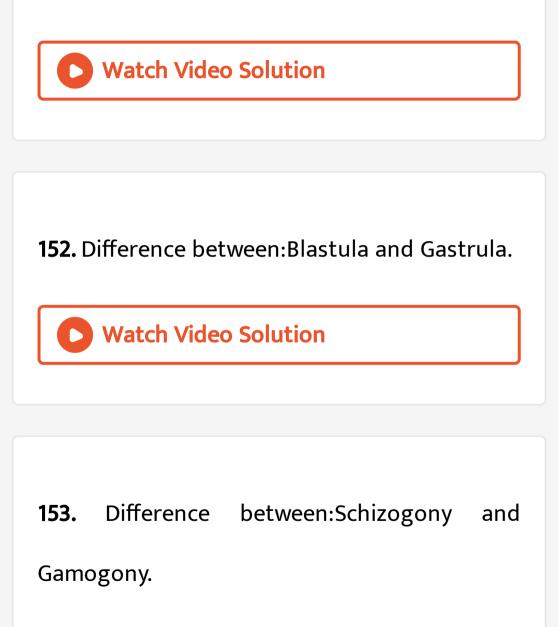
146. Write notes with 2 to 3 important points:

Thalasemia





151. What is parthenogenesis?



154. Difference between:Stimulant and

Depressant.



155. Describe the structure of human female

reproduction system.



156. Give an account of the chromosomal basis

of sex determination.

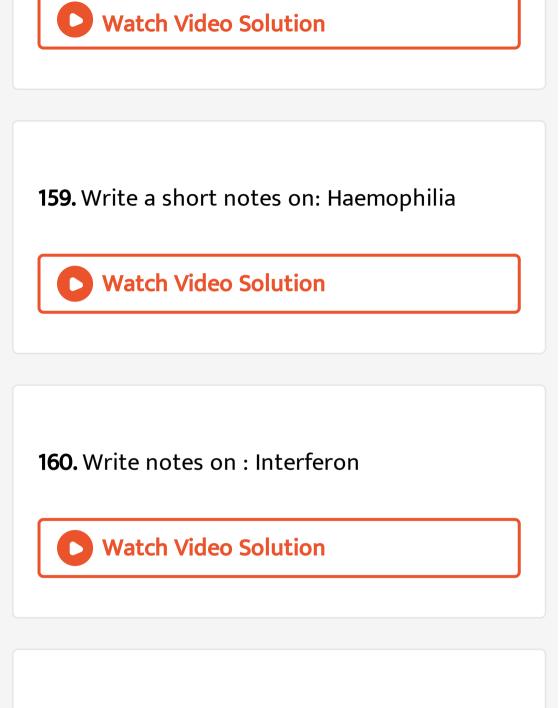
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157. Write a notes on: Steps of r-DNA

technology and its applications.

Watch Video Solution

158. Write notes on: Amoebiasis



161. Write short notes on : Implantation



162. What is the causative organism of filariasis ?

Watch Video Solution

163. How many sperm are produced from a

single primary spermatocyte ?

164. Fill up the blanks with correct answer :
The degenerated corpus luteum is called _____.
Watch Video Solution

165. Fill up the blanks with correct answer : Monoclonal antibodies are synthesized by a hybrid cell called ____ .

166. Fill up the blanks with correct answer :

Sarcoma is the cancer of ____ .

Watch Video Solution

167. What is criss-cross inheritance?

Watch Video Solution

168. Role of of r-DNA technology

169. Write notes on: Fertilization and its

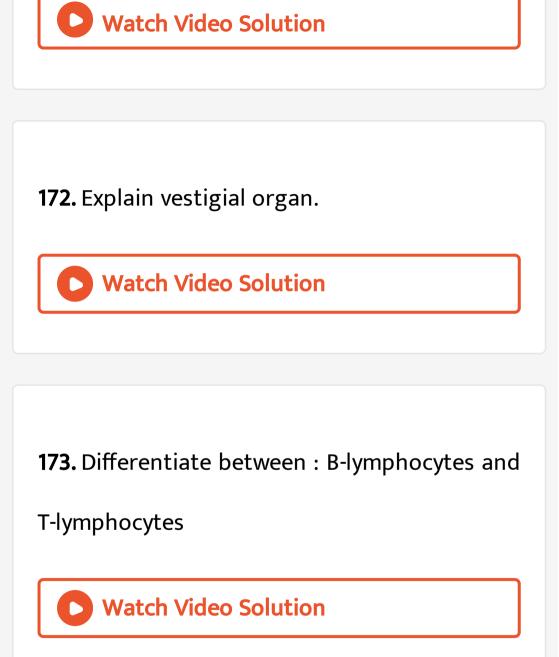
significance



170. What is parturition ? Give a brief account.



171. Write notes on: Chemical evolution



174. Differentiate between : Corpus luteum

and corpus albicans.

Watch Video Solution

175. Differentiate between : Sporogony and

Schizogony

Watch Video Solution

176. Describe the process of Spermatogenesis.



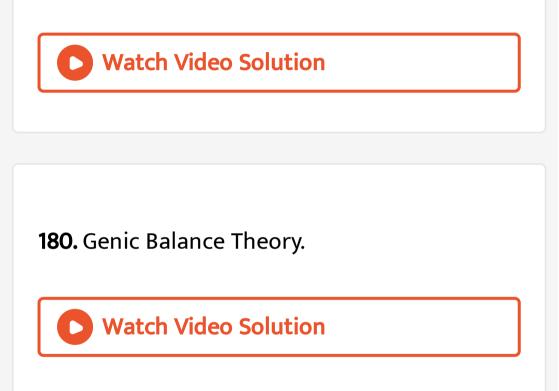
177. What is sex linked inheritance? Explain taking with examples of colourblindness and haemophilia.

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178. Give an account of the human male

reproductive system.

179. Write notes on : Thalassemia.



181. Write notes on : AIDS

182. Write a notes on: Sex determination in honey bee.

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183. Drugs which induce dreamy state of consciousness are called ----.

A. Sedative

B. Hallucinogen

C. Barbiturates

D. Stimulant

Answer:

Watch Video Solution

184. The principles of vaccination was first given by—

A. Salk

B. Louis Pasteur

C. Jenner

D. Kohler

Answer:

Watch Video Solution

185. Which of the following hormones is responsible for inducing both

spermatogenesis and oogenesis ?

A. FSH

B. Progesterone

C. Estragen

D. Testosterone

Answer:



186. FILL UP THE BLANKS : The cytoplasmic

organelle __ is associated with cortical granule

formation in sperm cell.

A. Mitochondria

B. Golgibody

C. Centriole

D. E.R.

Answer:

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187. Which of the following is the most effective method of contraception ?

A. IUD

B. Use of condom

C. Tubectomy

D. Lactational ammenorrhea.

Answer:

Watch Video Solution

188. The son receives X-chromosome from—

A. Father only

B. Mother only

C. cytoplasm of egg

D. both (i) and (ii)

Answer:



189. Mammalian placenta is formed from

A. Yolk sac

B. Chorionic allantois

C. Chorion

D. Amnion

Answer:

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190.	What	is	the	place	called	where	
spermatoza		enters		the	ovum	during	
fertilization ?							

191. The grain of golden rice is yellow in colour

due to presence of _____.

Watch Video Solution

192. Fill up the blanks with correct answer : Cirrhosis of liver is caused by the excess intake

of ____ .

193.	Malignant	tertian	malaria	is	caused				
by									
Watch Video Solution									
194. What is allergy ?									
Vatch Video Solution									
	Write iination ar			on:	Artificial				

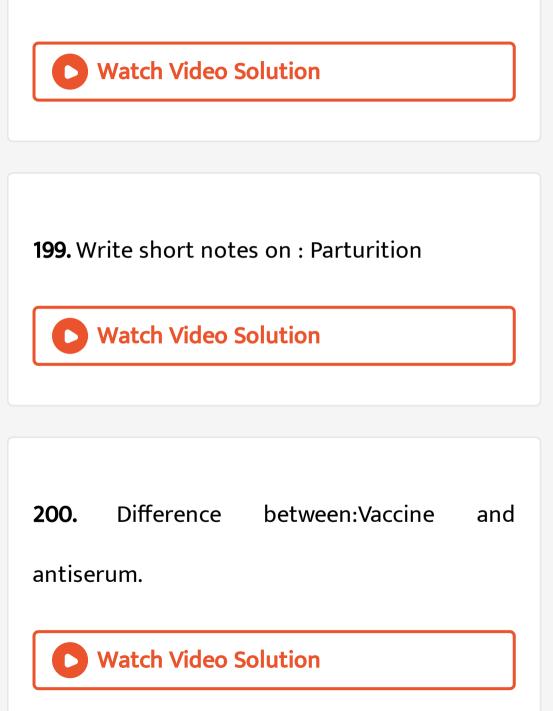


196. Write note on: Steps involved in production of r-DNA technology.

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197. What are the social implications of alcoholism?

198. What is Immunogloubin ?



201. Differentiate between : B-lymphocytes and

T-lymphocytes

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202. Distinguish between:Homozygous and

heterozygous

203. Give an account of the chromosomal

basis of sex determination.

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204. What is sex linked inheritance? Explain taking with examples of colourblindness and haemophilia.

205. Give an account of the chromosomal disorders in humans with reference to Down's syndrome, Klinefelter's syndrome and Turner's syndrome.

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206. Write a notes on: Biosafety issues.

207. Write note on : Ring worm

