



BIOLOGY

BOOKS - MBD

REPRODUCTIVE HEALTH

Example

1. Expand the term RCH care.



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2. Define reproductive health.



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3. Expand AIDS.



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4. What is population explosion?



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5. How is population growth rate measured?



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6. Give the term for the scientific study of human population.



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7. Name the technique to know the genetic disorders in the foetus.



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8. Give full form of IUD.



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9. Which substances are present in the birth control pills?



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10. Name the technique for male sterilization.



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11. List four causes of increase in human population ?



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12. Give the full form of MTP.



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13. In which year 'family Planning' was initiated in India.



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14. What are STDs ? Name two STDs diseases.
How can they be prevented ?



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15. What is STD's ? Name two STD's.



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16. Wtha is causative agent of syphilis?



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17. Give the cause of the disease characterized by leucorrhoea.



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18. Does early detection fo STDs, helps in better cure of such disease?



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19. Name most common sexually transmitted disease.



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20. What do you think is significance of reproductive health in a society ?



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21. Suggest the aspects of reproductive health which need to be given special attention to the present scenerio.



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22. Is sex education necessary in schools? If so why?



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23. Do you think Reproductive Health in our country has improved in the past 50 year ? if so, mention such areas of improvement.



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24. What are the suggested reasons for population explosion ?



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25. Is the use of contraceptives justified? Give reasons.



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26. Removal of gonads can not be considered as contraceptive options. Why?



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27. By amniocentesis the foetal sex determination test is banned in our country. Is it necessary? Comment.



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28. List some methods to assist infertile couples to have children.



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29. What are measures one has to take to prevent from contracting STDs?



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30. State True/False:

Abortions could happen spontaneously too.



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31. State True/False:

Infertility is defined as the inability to produce a viable offspring and is always due to abnormalities/defects in the female partner.



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32. State True/False:

Complete lactation could help as a natural method of contraception.



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33. State True/False:

Creating awareness about sex related aspects is an effective method to improve reproductive health of the people.



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34. Correct the following statements:

Surgical methods of contraception prevent gamete formation.



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35. Correct the following statements:

All sexually transmitted diseases are completely curable.



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36. Correct the following statements:

Oral pills are very popular contraceptives among the rural women.



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37. Correct the following statements:

In E.T. techniques, embryos are always transferred into the uterus.



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38. Reproductive health refers only to healthy reproductive functions. Comment.



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39. Comment on the RCH programme of the government to improve the reproductive health of the people.



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40. the present population growth rate in India is alarming. suggest ways to check it.



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41. STDs be considered as self-invited diseases. comment.



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42. Suggest the reproduction related aspects in which counselling should be provided at the school level.



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43. Mention the primary aim of 'Assisted Reproductive Technology' (ART) programme.



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44. What is the significance of progesterone - estrogen combination as a contraceptive measure?



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45. Strict conditions are to be followed in medical termination of pregnancy (MTP) procedures. Mention two reasons.



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46. Males in whom testes fail to descend to the scrotum are generally infertile. Why ?



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47. Mention two advantages of lactational amenorrhea as a contraceptive method.



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48. Suggest some important steps that you would recommend to be taken to improve the reproductive health standard in India.



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49. In GIFT, gametes are transferred to the fallopian tube. Can gametes be transferred to the uterus to achieve the same result. Explain.



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50. Copper ions-releasing IUDs are more efficient than non-medicated methods. Why?



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51. What are the main reasons for population explosion ?



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52. Briefly explain the IVF and ET. What are the conditions in which these methods are advised?



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53. What are advantages of natural methods of contraception over artificial methods?



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54. What are the conditions in which medical termination of pregnancy is advised?



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55. Comment on the essential features required for an ideal contraceptive.



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56. All reproductive tract infections or RTIs are STDs but all STDs are not RTIs. Justify with example.



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57. What are the Assisted Reproductive Techniques practised to help infertile couples? Describe any three techniques.



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58. Discuss the mode of action and advantages/disadvantages of hormonal contraceptives.



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59. STDs are a threat to reproductive health. Describe any two such diseases and suggest preventive measures.



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60. Do you justify the statutory ban on amniocentesis in our country? Give reasons.



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61. Enumerate and describe any five reasons for sex education to school-going children.



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62. Define reproductive health as per WHO.



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63. Name the programme started by India in 1951 at National level to attain to achieve a total Reproductive Health.



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64. The first menstruation begins at puberty and is called

A. a. ovum

B. b. sperm

C. c. menarche

D. d. menstrual cycle

Answer:



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65. Mention one positive and one negative application of amniocentesis.



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66. What was our population at the time of independence and in May 2000?



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67. What are the two factors which have raised life expectancy in the developing countries?



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68. Mention any two events that are inhibited by the intake of oral contraceptive pills to prevent pregnancy in humans.



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69. Name two STDs which can be transmitted through contaminated blood.



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70. Sperm are produced by the female reproductive system. this statement is true or false



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71. Define reproductive health.



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72. List the objectives of Reproductive and child Health Care Programmes (RCH).



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73. List reasons for population explosion.



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74. Discuss consequences of population explosion.



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75. Ovaries are found in the male reproductive system. this statement is true or false



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76. How do IUDs prevent contraception?



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77. What are various oral contraceptives used? How do they function? What is the advantage of Saheli?



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78. Name any two copper releasing IUDs.



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79. Explain how do IUDs act as effective contraceptives in human females.



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80. How do injections and implants help in contraception?



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81. With the help of simple diagrams only show the two surgical methods of vasectomy and tubectomy.



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82. People of which age group are more vulnerable to incidence of infection of STDs? Suggest three ways of preventing STDs.



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83. Write a note on Test Tube Babies.



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84. Spermatogenesis starts at the age of puberty. this statement is true or false.



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85. The process of formation of a mature female gamete is called spermatogenesis. this

statement is true or false



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86. Name the pouch in which testis are situated.



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87. In which years human population reached 1 billion, 2 billion and 6 billion?



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88. Mention any two probable reasons for rapid rise of population in our country from about 350 million at the time of independence to about 1 billion by the year 2000.



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89. A mother of one year old daughter wanted to space her second child. Her doctor

suggested CU-T. Explain its contraceptive actions.



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90. Define population density. What are consequences of high population density?



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91. Define birth rate, death rate and fertility rate.



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92. Differentiate natality rate and mortality rate.



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93. What is family planning? List the ways of family planning.



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94. Differentiate between blastogenesis and embryogenesis?



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95. Menstrual cycle is completed in

A. a. 30 days

B. b. 31 days

C. c. 28 days

D. d. 27 days

Answer:



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96. A woman has certain queries as listed below, before starting with contraceptive pills.

Answer them.

What schedule should be followed for taking these pills?



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97. A woman has certain queries as listed below, before starting with contraceptive pills.

Answer them.

What schedule should be followed for taking these pills?



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98. After a successful in vitro fertilisation, the fertilised egg begins to divide. Where is this

egg transferred before it reaches the 8-cell stage and what is this technique named?



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99. The process of release of egg from the ovary is called

A. a. reproduction

B. b. ovulation

C. c. menstruation

D. d. insemination

Answer:



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100. Man is

A. a. unisexual

B. b. bisexual

C. c. hermaphrodite

D. d. protogynous

Answer:



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101. Expand:

MTP



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102. Expand:

GIFT



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103. What is IVF? Write its importance.



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104. What is intracytoplasmic sperm injection?



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105. Differentiate vasectomy and tubectomy.



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106. Copper ions-releasing IUDs are more efficient than non-medicated methods. Why?



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107. What is population explosion?



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108. List the objectives of Reproductive and child Health Care Programmes (RCH).





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109. Explain Test tube babies.



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110. Mention one positive and one negative application of amniocentesis.



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111. Explain How does Saheli prevent pregnancy?



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112. Give one function of each of the following
(A) Sertoli cells (B) Interstitial cells (C) Corpus luteum



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113. Describe the various methods of birth control.



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Exercise

1. The method of directly injecting a sperm into ovum is assisted reproductive technology is called

A. GIFT

B. ZIFT

C. ICSI

D. ET

Answer:



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2. Increased IMR and decreased MMR in a population will:

A. Cause rapid increase in growth rate

B. Result in decline in growth rate

C. Not cause significant change in growth rate

D. Result in an explosive population

Answer:



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3. Intensely lactating mothers do not generally conceive due to the:

- A. Suppression of gonadotropins
- B. Hyper secretion of gonadotropins
- C. Suppression of gametic transport
- D. Suppression of fertilisation

Answer:



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4. Sterilisation techniques are generally fool proof methods of contraception with least side effects. Yet, this is the last option for the

couples because:

It is almost irreversible.

Of the misconception that it will reduce sexual urge/drive.

It is a surgical procedure.

Of lack of sufficient facilities in many parts of the country. Choose the correct option.

A. I and iii

B. ii and iii

C. ii and iv

D. I, ii, iii and iv

Answer:



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5. A national level approach to build up a reproductively healthy society was taken up in our country in:

A. 1950s

B. 1960s

C. 1980s

D. 1990s

Answer:



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6. Emergency contraceptives are effective if used within

- A. 72 hrs of coitus
- B. 72 hrs of ovulation
- C. 72 hrs of menstruation
- D. 72 hrs of implantation

Answer:



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7. Choose the right one among the statements given below:

A. IUDs are generally inserted by the user

herself

B. IUDs increase phagocytosis reaction in

the uterus

C. IUDs suppress gametogenesis

D. IUDs once inserted need not be replaced.

Answer:



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8. Following statements are given regarding

MTP. Choose the correct options given below:

MTPs are generally advised during first trimester.

MTPs are used as a contraceptive method.

MTPs are always surgical.

MTPs require the assistance of qualified medical personnel.

A. ii and iii

B. ii and iii

C. I and iv

D. I and ii

Answer:



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9. From the sexually transmitted diseases mentioned below identify the one which does not specifically affect the sex organs:

A. Syphilis

B. AIDS

C. Gonorrhoea

D. Genital warts

Answer:



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10. Condoms are one of the most popular contraceptives because of the following reasons

A. These are effective barriers for insemination

B. They do not interfere with coital act

C. These help in reducing the risk of STDs

D. All of the above

Answer:



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11. Choose the correct statement regarding the ZIFT procedure:

A. Ova collected from a female donor are transferred to the fallopian tube to facilitate zygote formation

B. Zygote is collected from a female donor and transferred to the fallopian tube

C. Zygote is collected from a female donor
and transferred to the uterus

D. Ova collected from a female donor and
transferred to the uterus

Answer:



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12. A procedure that finds use in testing for genetic disorders, but is also misused for female foeticide is:

A. Lactational amenorrhea

B. Amniocentesis

C. Artificial insemination

D. Parturition

Answer:



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13. Identify the wrong statement from the following.

- A. High level of estrogen triggers the ovulatory surge
- B. Oogonial cells start to proliferate and give rise to the functional ova in regular cycle from puberty onwards
- C. Sperms released from seminiferous tubules are poorly motile/non motile.
- D. Progesterone level is high during the post ovulatory phase of menstrual cycle.

Answer:



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14. The method of directly injecting a sperm into ovum is assisted reproductive, technology is called



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15. Where are fimbriae present in human female reproductive system? Give their function





16. Choose the incorrect statement from the following

A. In birds and mammals internal

fertilization takes place

B. Colostrum contains antibodies and

nutrients

C. Polyspermy is prevented by the chemical

changes in the egg surface

D. In the human female implantation occurs almost seven days after fertilization

Answer:



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17. Stock and scion are used in:



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18. Give the names and function of endocrine glands in the process of gametogenesis. Write the name from where they are released?



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19. Give the meanings:

Syncarpous



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20. Give the meanings:

Apomixis.



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21. Write what you know about pollen bank.



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22. Mention two strategies evolved by flowers to prevent self-pollination.



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23. Differentiate between geitonogamy and allogamy.



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24. How many cells and nuclei are there in a typical angiosperm embryo sac. Write the function of synergids.



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25. Differentiate between gametogenesis and embryogenesis.



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26. Where are leydig cells located? What is their function?



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27. How do pollen grains affect the life of human beings?



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28. What is meant by each of the following:

Primary follicles



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29. What is meant by each of the following:

Secondary follicles.



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30. Explain the following:

The first half of the menstrual cycle is called the proliferative phase as well as the follicular phase.



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31. Write short notes on:

Polyembryony



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32. Write short notes on:

Parthenogenesis



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33. Write short notes on:

Apogamy



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34. With the help of illustrated diagrams describe the structure of an anatropous ovule.



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35. Define the following: Senescence



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36. Define ovulation. Mention the events that take place in the female reproductive organs during luteal phase of the menstrual cycle.



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37. Describe the structure of a bilobed and dithecous anther as seen in transverse section.





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38. Explain what do you know about the phenomenon of sexual incompatibility.



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39. With the help of diagrams, explain the development of female gametophyte from a microspore in an angiosperm.



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40. With the help of labelled diagrams, depict the stages of the germination of microspore and development of male gametophyte.



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41. A mother of one year old daughter wanted to space her second child. Her doctor suggested CU-T. Explain its contraceptive actions.



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43. A mother of one year old daughter wanted to space her second child. Her doctor suggested CU-T. Explain its contraceptive actions.



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44. A mother of one year old daughter wanted to space her second child. Her doctor suggested CU-T. Explain its contraceptive actions.



[Watch Video Solution](#)

45. In testes, the sperms are formed by:

A. a. interstitial cells

B. b. graafian follicle

C. c. seminiferous tubules

D. d. nephrons

Answer:



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46. Differentiate between asexual and sexual reproduction.



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47. Name two hermaphroditic animals.



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48. The events of the menstrual cycle are represented below. Answer the questions following with diagram.

Why is there no menstruation upon fertilisation?



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49. Write about microsporogenesis leading to formation of microspores.



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50. Draw diagram of stages of development of male gametophyte in angiosperms.



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51. Tabulate the differences between self-pollination and cross-pollination.



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52. Describe the post-fertilisation changes in a flower.



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53. List some methods to assist infertile couples to have children.



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54. Differentiate between asexual and sexual reproduction.



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55. Name the structure/propagule involved in the vegetative reproduction of each of the following:

Water Hyacinth



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56. How does Penicillium reproduce asexually?



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