



BIOLOGY

BOOKS - PRADEEP BIOLOGY (HINGLISH)

REPRODUCTIVE HEALTH

Curisity Questions

1. Which programme was initiated by Government for the first time at eh national level to attain total reproductive health as a social goal ?

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2. Which method of birth control is also termed as natural family planning ?

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3. Which modes of contraception are 100 % reliable ?

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4. Where does the test tube baby develop ?

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5. Is there any noninvasive method of determining the condition of the foetus before birth ?

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

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2. Suggest the aspects of reproductive health which need to be given special attention in the present scenario.

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3. Is sex education necessary in schools? Why?

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4. Do you think that reproductive health in our country has improved in the past 50 years? If yes, mention some such areas of improvement.

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5. What are the suggested reasons for population explosion?

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

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7. Removal of ganads can not be considered as contraceptive options.

Why ?

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8. Amniocentesis, the foetal sex determination test is banned in our country. It is necessary ? Comment.

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9. Suggest some methods to assist infertile couples to have children.

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

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11. State true/false with explanation.

(i) Abortions could happen spontaneously too (True/False)

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

(iii) Complete lactation could help as a natural method of contraception. (True/False)

(iv) Creating awareness about sex related aspects is an effective method to improve reproductive health of the people. (True/False)



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12. Correct the following statements :

- (a) Surgical methods of contraception prevent gamete formation.
- (b) All sexually transmitted diseases are completely curable.
- (c) oral pills are very popular contraceptives among the rural women.
- (d) In E.T. techniques, embryos are always transferred into the uterus.



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Additional Questions Very Short Answer Questions

1. Name the technique used for determining the sex and condition of the foetus.



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2. Who is responsible for the sex of the child, father or mother ?

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3. Give the side effects of vasectomy or tubectomy, if any.

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4. Does the production of test tube babies improve the human race ?

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5. Who plays a greater role in procreation ? Man or woman.

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6. Elaborate the following abbreviations : (i) RCH Programme (ii) GIFT (iii) ICSI (iv) ART.

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7. Name the most recent and improved programmes in operation in India in reproduction related areas.

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8. Define population explosion.

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9. Name any natural method of birth control.

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10. Name any copper releasing IUD.

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11. Name one hormone releasing IUD.

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12. Name the organization that produced 'Saheli' pill.

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13. Define medical termination of pregnancy (MTP).

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14. What are sexually transmitted diseases ?



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15. List two most common STDs.



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16. Mention one positive and one negative application of amniocentesis ?



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17. What is the significant role of MTP in human population ?



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18. Oral contraceptive pills help in control by (a) killing sperms (b) killing ova (c) preventing ovulation (d) forming barrier between sperms and ova



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19. Our government has intentionally imposed strict conditions for MTP in our country. Justify giving a reason.

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Additional Questions Short Answer Questions

1. How do the oral pills help in birth control ? Name common pills used.

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2. Name two new techniques for determining the condition of the foetus.

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3. Why has amniocentesis been banned ?

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4. Who is a surrogate mother ?

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5. Give the sex chromosomes of man and woman.

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6. What do you mean by reproductive health ?

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7. List major aims and objective of RCH programmes.

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8. Oist two primary factors for the increase in human poplation.

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9. List various natural methods of birth control.

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10. Name the oral pill which is take up by Indian women once a week.

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11. Lost causative agents of the following STDs (i) AIDS (ii) Gonorrhoea.

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12. Lost some reasons of infertility.

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13. A mother of one year old daughter wanted to space her second child. Her doctor suggested CuT. Explain its contraceptive actions.

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14. (i) Expand IUD.

(ii) Why is hormone releasing IUD considered a good contraceptive to space children.

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15. How does Cu-T act as an effective contraceptive for human females ?

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16. Name the hormonal composition of the oral contraceptive used by human female. Explain how does it act as a contraceptive ?

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17. Why do some women used "Saheli" pills ?

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18. How do copper and hormone releasing IUDs act as contraceptives? Explain.

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19. Explain the zygote intra fallopian transfer technique ZIFT. How is intrauterine transfer technique (IUT) different from it

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20. Reproductive health refers only to healthy reproductive functions.

Comment



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21. Comment on the reproductive and child healthcare programme of the government to improve the reproductive health of the people.



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22. The present population growth rate in India is alarming. Suggest ways to check it.



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

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24. Males in whom testes fail to descend to the scrotum are generally infertile why ?

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25. Describe the Lactational Amenorrhea method of birth control

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26. What is artificial insemination and what are its advantages.

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27. Define amniocentesis.

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28. After a brief medical examination, a healthy couple come to know that both of them are unable to produce functional gametes and should look for an 'ART' (Assisted Reproduction Technique). Name the 'ART' and the procedure involved that you can suggest to them to help have a child.

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29. An infertile couple is advised to adopt test tube baby programme. Describe two principle procedures adopted for such technologies.

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30. What are test-tube babies ?



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31. Write a short not on inequality between sexes.

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32. What is done in amniocentesis ? Mention the usefulness of this technique.

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33. Write a not on chornic villus sampling (CVS).

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34. Describe the non-invasive techniques of determining the condition of the foetus.

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35. Briefly explain factors that have contributed to the decline in death rate in humans.

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36. List various consequences of overpopulation.

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37. Briefly explain natural methods of birth control.

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38. Write note on barrier methods of birth control.

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39. Briefly describe sexually transmitted diseases.

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40. Why medical termination of pregnancy is done ?

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41. Briefly describe gamete intra fallopian transfer (GIFT) technique.

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42. Explain the following : (a) Artificial insemination technique (b) In vitro fertilization.

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43. Fill in the blanks :

- (i) Excessive fatness of the body due to an abnormal increase of fat in the sub-cutaneous connective tissue is called.....
- (ii) Sexually transmitted diseases (STDs) are also called Diseases.
- (iii) Syphilis is caused by and gonorrhoea is caused by.....
- (iv) A chronic morbid disorder in which the patient resorts to repeated excessive eating followed by selfinduced vomiting and purging is called.....
- (v) A mental disorder in which person believes himself to be fat and develops an aversion to food is called
- (vi) A psychosomatic disorder, related to anxiety commonly prevalent in adolescents who become under concerned about health is called.....
- (vi) Normally all adolescents have some, an eruptive skin disease caused by inflammation of glands, chiefly on the face.



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44. Match the items given in column I with appropriate items (One or more) of column II.

(i) Vasectomy

(ii) Tubectomy

(iii) Oral pills

(iv) Temporary birth control method

(v) Adolescents

(a) Progesterone and estrogens

(b) Coitus interruptus

(c) Coitus interruptus

(d) Male

(e) Female

(f) Vas deferens

(g) Oviduct



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45. (a) What does gamete intra fallopian transfer (GIFT) represent ?
(Define in brief).

(b) How do CU-T and CU-7 act as contraceptive devices ?



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46. The procedure of GIFT involves the transfer of female gamete to the fallopian tube. Can gametes be transferred to the uterus to achieve the

same result ? Explain.



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47. Copper ion releasing IUDs are more efficient than non-medicated methods. Why?



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48. All reproductive tract infections (RTIs) are STDs are not RTIs. Justify with example.



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49. Write three simple principles for preventions of STD.



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50. Suggest and explain any three Assisted Reproductive Technologies (ART) to an infertile couple.



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51. In a maternity clinic, for some reasons the authorities are not able to hand over the two new-borns to their respective real parents. Name and describe the technique that you would suggest to sort out the matter.



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52. Your school has been selected by the Department of Education to organize and host an interschool seminar on "Reproductive Health - problems and practices". However, many parents are reluctant to permit their wards to attend it. Their argument is that topic is "too embarrassing".

Put forth four arguments with appropriate reasons and explanation to justify the topic to be very essential and timely.



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53. (a) List any four characteristics of an ideal contraceptive.

(b) Name two intrauterine contraceptive devices that affect the motility of sperms.



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54. Suggest and explain the assisted reproductive techniques which will help a couple to have children, where the female had a blockage in the fallopian tube and the male partner had a low sperm count.



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[Additional Questions Long Answer Questions](#)

1. A large number married couples the world over are childless. It is shocking to know that in India the female partner is often blamed for the couple being childless.

(a) Why in your opinion the female partner is often blamed for such situations in India? Mention any two values that you as biology student can promote to check this social evil.

(b) State any two reasons responsible for the cause of infertility.

(c) Suggest a technique that can help the couple to have a child where the problem is with the male partner.



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2. Why is the development of a rational outlook on birth control necessary in India today? Enlist the different methods of birth control.



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3. Describe a technique by which genetic disorders in the developing foetus can be detected.

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4. Explain with the help of a figure tht father is resopnsible for the sex of the child.

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5. What are the programmes listed under the maternity and child health and family planing.

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6. What are the requirements of a pregnant woman ?

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7. What is birth control ? Briefly explain various temporary methods of birth control.

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8. Explain the following : (a) Medical termination of pregnancy (MTP) (b) Permanent method of birth control.

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9. Explain various special techniques used in assisted reproduction technologies (ART).

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10. What are the assisted reproductive techniques practised to help infertile couples? Describe any three techniques

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

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12. Do you Justify the statutory ban on amniocentesis in our country ?
Give reasons.

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



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14. Explain various special techniques used in assisted reproduction technologies (ART).

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

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

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17. It is commonly observed that parents feel embarrassed to discuss freely with their adolescent children about sexuality and reproduction . The result of this parental inhibition is that the children go astray sometimes.

(a) Explain the reasons that you feel behind such embarrassment amongst some parents to freely discuss such issues with their growing children.

(b) By taking one example of a local plant and animals ,how would you help these parents to overcome such inhibitions about reproduction and sexuality ?



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Additional Questions Analytical Questions With Answers

1. Increasing cases of female foeticide in our country forced the government to take strict decisions. List atleast two such decisions.



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2. In school education, particularly for students over 12 years of age, counselling modules regarding reproduction related aspects must be introduced. Justify.



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3. Government has been spending huge money to educate people regarding hazards of alarming rate of present population growth in our country. Suggest atleast three ways to check this alarming rise in our population growth rate.



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4. In you option what can be the two most probable reasons for rapid rise of population in our country from about 350 million at time of independence to about 1 billion by the year 2000 ?





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5. (a) A married female, not habitual of using birth control techniques, becomes pregnant. The couple does not want to have the child at this time. Which birth control technique will be most suitable for this female in this situation ?

(b) What are the other two reasons in which this technique is adopted ?



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6. What is the period which is considered safe for MTP ?

(b) What is the period when amniocentesis is usually done ? Is this period safe for abortion ?

(c) Mention the time chorionic villus Sampling (CVS) is done. What is the significance of CVS ?



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7. (a) List two invasive techniques being used to determine the genetic disorders of the foetus.

(b) Can you name any non-invasive technique being used by physical now a days to determine the foetal condition ?



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8. (a) At present, Reporductive and Child Health Care (RCH) Programmes are launched by the government of India. What are the major aims and objectives of these programmes? List two of them.



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9. Government is advertising various health related and population control related programmes through hoardings. One of these is the use of 'condoms' as barriers and for safe sex. Give reasons.



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10. (a) Some men have abnormally low sperm count in seminal fluid. Also. Some women cannot normally conceive because of any of the following reasons: (i) They cannot produce ova, (ii) They have blocked oviducts, or (iii) They have spermicidal secretions in the vagina.

In such couples, one technique is commonly used. Name that Assisted Reproduction Technique.

(b) At what stage, fertilized egg is transferred into the fallopian tube or uterus of the mother in this technique ?



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11. Small pox diseases has been eradicated from our country. We are very close to eradicate one more disease from our country for which government has launched door to door programme for providing vaccination. Name such disease. List atleast three other vaccines which are given to newly born babies to protect them from many diseases.



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12. Many young educated couple prefer to adopt safe period or periodic abstinence method to have sufficient gap between children. It is a right method ? Jsuggest suitable method if you do not agree with their approach.

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13. What recent advancement has been introduced in tubectomy ? Explain.

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14. Give reasons as to hy oral contraceptive pills are termed physiological birth control devices.

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15. We see huge hoardings, particularly outside health centres, to create awareness about AIDS among general masses. Still, many people have misconceptions about this disease. What are these misconceptions ?
Aware your neighbours by telling them methods to stop spread of AIDS.

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16. A gynecologist advised her patients to use CU-T, CU-7 and hormone releasing IUDs to have sufficient gap between their children. What are these device called and how these act as birth control devices ?

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17. In vitro fertilization is the scientific term used for which ART programme ? How is it done ?

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18. Presetn life style have tremendous effects of the health of people and also result in increasing abnormalities in newly born babies. How such abnormalities can be detected before birth by using modern technologies ?

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19. Recently, there was an article in the nwspaper regarding 'Subcutaneous implantation' of specific steroid as a new contraceptive technique. Elaborate this technique. Is this technique safe and long lasting as compared to other methanical/physiological devices being used as contraceptives ?

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20. Use of 'Emergency Contraceptive Pills' by young women is one option to prevent pregnancy when intercourse has occurred without the use of any birth control method. Justify.



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Competition Focus Neet Aiiims Special Practice Questions Multiple Choice Questions

1. Which of the following birth control measures can be considered as the safest ?

- A. the rhythm method
- B. the use of physical barriers
- C. termination of unwanted pregnancy
- D. sterilization techniques

Answer: D



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2. Given below are four methods (A-D) and their modes of action (i)- (iv) in achieving contraception. Select their correct matching from the four options that follow

Method	Mode of Action
(A) The pill	(i) Prevents sperms reaching cervix
(B) Condom	(ii) Prevents implantation
(C) Vasectomy	(iii) Prevents ovulation
(D) Copper T	(iv) Semen contains no sperms

A. A – (iii), B – (iv), C – (i), D – (ii)

B. A – (ii), B – (iii), C – (i), D – (iv)

C. A – (iii), B – (i), C – (iv), D – (ii)

D. A – (iv), B – (i), C – (ii), D – (iii)

Answer: C



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3. Amnioentesis is a process to

- A. determine any disease of heart
- B. determine any hereditary disease of the embryo
- C. know about the disease of brain
- D. grow cell on culture medium

Answer: B



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4. Which of the following is the component of oral pills ?

- A. Progesterone
- B. Oxytocin
- C. Relaxin
- D. None of these

Answer: A



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5. 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 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: B



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6. The correct surgical procedure as a contraceptive method is :

- A. Ovariectomy
- B. hysterectomy
- C. Vasectomy
- D. Castration

Answer: C



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7. Diaphragms are contraceptive devices used by the females. Choose the correct option from the statements given below :

- (i) They are introduced into the uterus
- (ii) They are placed to cover the cervical region
- (iii) They act as physical barriers for sperm entry
- (iv) They act as spermicidal agents

A. (i) and (ii)

B. (i) and (iii)

C. (ii) and (iii)

D. (iii) and (iv)

Answer: C



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8. Cu ions released from copper releasing Intra Uterine Devices (IUDs)

A. prevent ovulation

B. make uterus unsuitable for implantation

C. increase phagocytosis of sperms

D. suppress sperm motility

Answer: D



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9. In-vitro fertilization is a technique that involves transfer of which one of the following into the fallopian tube ?

- A. Zygote only
- B. Embryo only, upto 8 cell stage
- C. Either zygote or early embryo upto 8 cell stage
- D. Embryo of 32 cell stage

Answer: C



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10. The permissible use of the technique amniocentesis is for

- A. detecting any genetic abnormality
- B. detecting sex of the unborn foetus
- C. artificial insemination
- D. transfer of embryo into the uterus of a surrogate mother

Answer: A



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11. Cu-T prevents pregnancy by preventing

- A. fertilization
- B. ovulation
- C. implantation of fertilized egg
- D. None of these

Answer: A



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12. Oral contraceptive pills help in birth control by

- A. killing sperms

B. killing ova

C. preventing ovulation

D. forming barrier between sperms and ova

Answer: C



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13. Which one of the following is the most widely accepted method of contraception in India at present ?

A. cervical caps

B. tubectomy

C. diaphragms

D. IUDs (Intra uerine devices)

Answer: C



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14. Medical Termination of Pregnancy (MTP) is considered safe up to how many weeks of pregnancy ?

- A. 8 weeks
- B. 12 weeks
- C. 18 weeks
- D. 6 weeks

Answer: D



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15. The technique called Gamete Intra Fallopian Transfer (GIFT) is recommended for those females

- A. who cannot produce an ovum
- B. who cannot retain the foetus inside uterus

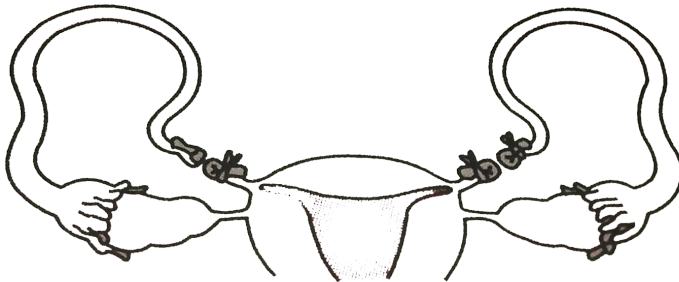
C. whose cervical canal is too narrow to allow passage for the sperms

D. who cannot provide suitable environment for fertilization

Answer: B

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16. What is the figure given below showing n particular ?



A. Ovarian cancer 0

B. Uterine cancer

C. Tubectomy

D. Vasectomy

Answer: C



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17. The test-tube baby programme employs which one of the following techniques

- A. Intra cytoplasmic sperm injection (ICSI)
- B. Intra uterine insemination (IUI)
- C. Gamete intra fallopian transfer (GIFT)
- D. Zygote intra fallopian transfer (ZIFT)

Answer: D



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18. It is a disease which mainly affects mucous membrane of urinogenital tract. In males, burning feeling on passing urine, after a yellow discharge

occurs, that is accompanied by fever, headache and feeling of illness. Its name is

- A. syphilis
- B. gonorrhoea
- C. AIDS
- D. None of these

Answer: B



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19. Which one of the following groups includes all sexually transmitted diseases ?

- A. AIDS, syphilis, cholera
- B. HIV, malaria, trichomoniasis
- C. Gonorrhoea, hepatitis-B, chlamydia

D. Hepatitis-B, haemophilia, AIDS.

Answer: C



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20. One of the legal methods of birth control is

- A. by abstaining from coitus from day 10 to 7 of the menstrual cycle
- B. by having coitus at the time of day break
- C. by a premature ejaculation during coitus
- D. abortion by taking an appropriate medicine

Answer: D



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21. Artificial insemination means

- A. transfer of sperms of husband to a test tube containing ova.
- B. artificial introduction of sperms of a healthy donor into the vagina.
- C. introduction of sperms of a healthy donor directly into the ovary.
- D. transfer of sperms of a healthy donor to a test tube containing ova.

Answer: B

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22. Pollen tublets are available in the market for :

- A. In vitro fertilization
- B. Breeding programmes
- C. Supplementing food
- D. Ex situ conservation

Answer: C

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23. Tubectomy is a method of sterilization in which :

- A. small part of the fallopian tube is removed or tied up.
- B. ovaries are removed surgically.
- C. small part of vas deferens is removed or tied up.
- D. uterus is removed surgically.

Answer: A



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24. Which of the following is a hormone releasing Intra Uterine Device (IUD).

- A. Multiload 275
- B. LNG 20
- C. Cervical cap

D. Vault

Answer: B



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25. Assisted reproductive technology. IVF involves transfer of :

A. Ovum into the fallopian tube.

B. Zygote into the fallopian tube

C. Zygote into the uterus

D. Embryo with 16 blastomeres into the fallopian tube.

Answer: B



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26. Shelli is an oral contraceptive pill that has very high contraceptive value with little side effects. It is because

- A. it is taken once in a week
- B. it contains synthetic progesterone
- C. it contains centchroman
- D. it decreases risk of cancer

Answer: C



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27. Ectopic pregnancies are referred to as :

- A. Pregnancies terminated due to hormonal imbalance
- B. Pregnancies with genetic abnormality
- C. Implantation of embryo at site other than uterus.

D. Implantation of defective embryo in the uterus

Answer: C



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28. A childless couple can assisted to have a child through a technique called GIFT. The full form of this technique is :

- A. Germ cell internal fallopian transfer
- B. Gamete inseminated fallopian transfer
- C. Gamete intra fallopian transfer
- D. Gamete internal fertilization and transfer.

Answer: C



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29. Which of the following approaches does not give the defined action of contraceptive ?

- A. Intra uterine devices Increases phagocytosis of sperms, suppress sperm motility and fertilizing capacity of sperm
- B. Hormonal Prevent/retard entry of contraceptives sperm, prevent ovulation and fertilization
- C. Vasectomy prevents spermatogenesis
- D. Barrier methods Prevent fertilization

Answer: C



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30. In context to Amniocentesis, which of the following statement is incorrect ?

- A. It is used for prenatal sex determination

- B. It can be used for detection of Down syndrome
- C. It can be used for detection of Cleft palate.
- D. It is usually done when a woman is between 14-16 weeks pregnant

Answer: C



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31. Which of the following is hormone releasing IUD?

- A. LNG-20
- B. Multiload 375
- C. Lippes loop
- D. Cu7

Answer: A



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32. Which of the following is incorrect regarding vasectomy ?

- A. No sperm occurs in seminal fluid
- B. No sperm occurs in epididymis
- C. Vasa deferentia is cut and tied
- D. Irreversible sterility

Answer: B



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33. The function of copper ions in copper releasing IUDs is

- A. they inhibit gametogenesis
- B. they make uterus unsuitable for implantation
- C. they inhibit ovulation
- D. they suppress sperm motility and fertilising capacity

Answer:



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34. In case of a couple where the male is having a very low sperm count, which technique will be suitable for fertilisation ?

- A. Gamete intracytoplasmic Fallopiian transfer
- B. Artificial Insemination
- C. Intracytoplasmic sperm injection
- D. Intrauterine transfer

Answer:



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35. The contraceptive 'Saheli'

- A. blocks estrogen receptors in the uterus, preventing eggs from getting implanated
- B. increase the concentration of estrogen and prevents ovulation in females
- C. is an IUD
- D. is a post-coital contraceptive.

Answer:



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Assertion Reason Type Questions

1. Assertion: Mother should not be blamed for the birth of girls in the family.

Reason. Father is responsible for the sex of the child.

A. If both Assertion and Reason are true and the Reason is a correct explanation of the Assertion.

B. If both Assertion and Reason are true but Reason is not a correct explanation of the Assertion

C. If Assertion is true but the Reason is false.

D. If both Assertion and Reason are false.

Answer: B

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2. Assertion: Auniocentesis is often misused.

Reason, Amniocentesis is meant for determining the genetic disorders in the foetus, but it is being used to determine the sex the foetus so that female foetus may be aborted.

A. If both Assertion and Reason are true and the Reason is a correct explanation of the Assertion.

B. If both Assertion and Reason are true but Reason is not a correct explanation of the Assertion

C. If Assertion is true but the Reason is false.

D. If both Assertion and Reason are false.

Answer: A



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3. Assertion: human population not doubles every 35 years as against 200 years in 1600-1800.

Reason. Rapid increase is due to better health facilities and food resources.

A. If both Assertion and Reason are true and the Reason is a correct explanation of the Assertion.

B. If both Assertion and Reason are true but Reason is not a correct explanation of the Assertion

C. If Assertion is true but the Reason is false.

D. If both Assertion and Reason are false.

Answer: A



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4. Assertion: Zero population growth should be achieved as early as possible to control human population.

Reason. This requires not two children per couple but a little more.

A. If both Assertion and Reason are true and the Reason is a correct explanation of the Assertion.

B. If both Assertion and Reason are true but Reason is not a correct explanation of the Assertion

C. If Assertion is true but the Reason is false.

D. If both Assertion and Reason are false.

Answer: A



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5. Assertion: jPlacenta in addition to connection with mother and foetus is ductless gland.

It releases human gonadortpins.

- A. If both Assertion and Reason are true and the Reason is a correct explanation of the Assertion.
- B. If both Assertion and Reason are true but Reason is not a correct explanation of the Assertion
- C. If Assertion is true but the Reason is false.
- D. If both Assertion and Reason are false.

Answer: A



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