



BIOLOGY

NEET & AIIMS

REPRODUCTIVE HEALTH

Try Yourself

1. Which was the first country in the developing world to initiate 'Family planning programmes'?



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2. When were family planning programmes initiated?



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3. Which has an explosive impact on the growth of population ?

A. a) Contraceptive devices

B. b) Increased health facilities

C. c) Better living conditions

D. d) Both b and c

Answer: d



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4. What are the suggested reasons for population explosion?



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5. Which hormones are present in birth control pills?



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6. Name any one injectable contraceptive.



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7. Name the ideal contraceptives for a female who wants to delay pregnancy or space

children?



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8. Which drug is progesterone antagonist and helpful in inducing abortion?



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9. Which method is the terminal method of contraception?



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10. Name the causative organism for syphilis.



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11. In which stage of syphilis, chancre is the chief symptom?



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12. What is the drug of choice for chlamydia?



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13. What is azoospermia?



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14. Which drugs suppress spermatogenesis?



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15. Expand IVF.



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Exercise

1. Which of the following cannot be considered as an advantage of amniocentesis ?

- A. Parental diagnostics
- B. Detection of biochemical abnormalities
- C. Detection of congenital defects

D. Determination of sex to abort female foetus

Answer: D



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2. Population growth rate depends upon

A. Birth rate

B. Death rate

C. Age-sex ratio

D. All of these

Answer: D



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3. Replacement level is the number of children a couple must produce to replace themselves so as to maintain population at zero growth level. The value of replacement level for developed countries is

A. 2.7

B. 2.1

C. 1.9

D. 1.2

Answer: B



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4. Which of the following defines the stage of demographic transition ?

A. Birth rate is higher than death rate

B. Death rate is higher than birth rate

C. Birth rate and death rate are equal

D. Both (1) & (2)

Answer: C



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5. The average number of children that would be borne by a female during her lifetime is called

A. Natality

B. Birth rate

C. Population growth rate

D. Total fertility rate

Answer: D



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6. Which of the following can be included under natural methods of birth control ?

A. Rhythm method

B. Coitus interruptus

C. Lactational amenorrhea

D. All of these

Answer: D



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7. Which of the following contraceptive devices also protect against sexually transmitted diseases ?

A. Fem shield

B. Sponge

C. IUDs

D. LNG-20

Answer: A



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8. Which of the following chemicals can be used under chemical methods for contraception ?

A. Lactic acid

B. Boric acid

C. Citric acid

D. All of these

Answer: D



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9. Which of the following is/are hormone-releasing IUDs ?

- A. Progestaset
- B. Levonorgestrel
- C. Both (1) & (2)
- D. Lippe's loop

Answer: C



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10. Which of the following can be included under emergency contraception ?

A. An antiprogestosterone pill

B. Insertion of IUD within 72 hours of
unprotected contact

C. Both (1) & (2)

D. Vasectomy

Answer: C



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11. Which one of the following is a common disease caused by virus

or

Which one of the disease is not transmitted by house flies

- A. Gonorrhoea
- B. Syphills
- C. Trichomoniasis
- D. Hepatitis-B

Answer: D



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12. The most common site of infection in a female suffering from chlamydiasis?

A. Urethra

B. Ureters

C. Cervix

D. Peritoneum

Answer: C



13. Which of the following pathogen can pass from mother to infant during child birth?

- A. Chlamydia
- B. Neisseria
- C. Trypanosoma
- D. All of These

Answer: D



14. The site of infection in case of 'Gonorrhoea' or 'Clap' can be

A. Vagina

B. Penis

C. Throat

D. All of these

Answer: D



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15. Which of the following is the causative agent of syphilis?

A. Trypanosoma

B. Human Papilloma virus

C. Treponema

D. Haemophilus ducrei

Answer: C



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16. Which of the following symptom can be related to the tertiary stage of syphills?

- A. Appearance of painless open sore
- B. Skin rash, fever
- C. Joint ache
- D. Signs of organ degeneration

Answer: D



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17. The causative agent of chancroid is

A. HSV-1

B. HSV-2

C. HPV

D. Haemophilus ducrei

Answer: D



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18. Which of of the following can be used for the treatment of Genital warts?

A. Cryotherapy with liquid nitrogen

B. Application of podophyllum

C. Alpha interferon

D. All of these

Answer: D



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19. AIDS is caused by Human Immunodeficiency Virus (HIV). HIV can get transmitted through

- A. Blood contact
- B. Sexual contact
- C. Handshake
- D. Both (1) & (2)

Answer: D



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20. Which of the following sexually transmitted diseases is caused by a protozoan ?

A. Trichomoniasis

B. Chlamydiasis

C. Gonorrhoea

D. Syphilla

Answer: A



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Assignment Section A Objective Type Questions

1. According to the World Health Organisation (WHO), reproductive health means a total well-being in all aspects of reproduction, i.e., physical, emotional, behavioural and social.

The headquarters of WHO are located in

A. USA

B. Geneva

C. England

D. France

Answer: B



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2. India was amongst the first countries in the world to initiate action plans and programs at a national level to attain reproductive health. These programs called "family planing" were initiated in _____ in India.

A. 1951

B. 1976

C. 1971

D. 1987

Answer: A



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3. According to 2001 census report, the population growth rate as still around

A. 2.6 %

B. 1.7 %

C. 2.1 %

D. 2.7 %

Answer: B



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4. World population Day is

A. 11th July

B. 21st September

C. 7th April

D. 1st July

Answer: A



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5. In India, marriageable age for boys is _____ and girls is _____ respectively.

A. 21, 18 years

B. 15,14 years

C. 15,18 years

D. 18,21 years

Answer: A



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6. Among the following methods, which one has the highest failure rate ?

A. Diaphragm with spermicide

B. Condom

C. Intrauterine device

D. Rhythm method

Answer: D



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7. Which of the following is natural method of contraception ?

A. Periodic abstinence

B. Withdrawl method

C. Lactational amenorrhea

D. Condoms

Answer: D



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8. Natural methods of contraception work on the principle of avoiding chances of ovum and sperm meeting. It includes

(A) Periodic abstinence

(B) Withdrawl

(C) Coitus interrupts

(D) Lactational ammenorrhoea

A. A and B only

B. B and C only

C. A,B and C

D. A,B,C and D

Answer: D



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9. In the rhythm method of birth control, the couple refrains from intercourse

- A. One day before and after ovulation
- B. Two days before and after ovulation
- C. Three days before and after ovulation
- D. One week before and after ovulation

Answer: C



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10. Which of the following method of contraception has maximum chances of failure?

A. Rhythm/Periodic abstinence

B. Vasectomy

C. Condoms

D. IUDs

Answer: A



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11. Which of the following is an incorrect statement for periodic abstinence?

A. The couple should abstain from coitus from day 10 to 17 of the menstrual cycle when ovulation could be expected

B. 10th to 17th day of the cycle is fertile period, when the chances of fertilisation are high

C. This prevents the chances of union of male and female gametes

D. In this method, the ovum and sperms are prevented from physically meeting with the help of barriers.

Answer: D



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12. Lactational amenorrhoea, is a natural way of birth spacing. It is due to the high level of

A. FSH and LH hormones

B. Estrogen

C. Prolactin

D. Progesterone

Answer: C



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13. Use of which of the following contraceptive device has increased in recent years due to its additional benefit of protecting the user from contracting STDs and AIDS?

A. Diaphragms and cervical caps

B. IUDs

C. Condoms

D. Contraceptive pills

Answer: C



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14. Which of the following statement is/are correct about diaphragms, cervical caps and vaults?

(a) Barrier methods of contraception

(b) Cover the cervix during coitus

(C) Protect the user from contracting STDs

(d) They are reusable.

A. A & B only

B. A,B & C

C. A, B & D

D. A,B,C & D

Answer: C



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15. Nirodh' is a popular brand of

A. IUD's for female

B. Contraceptive pill for female

C. Condom for male

D. Condom for female

Answer: C



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16. The diaphragm is rubber-dome-shaped structure that stops the sperms from entering into

A. Vestibule

B. Vagina

C. Cervix

D. Both (1) & (2)

Answer: C



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17. use of spermicidal creams, jellies and foams along with diaphragms, cervical and vaults leads to

- A. Increased contraceptive efficiency
- B. Prevention of ovulation
- C. Prevention of implantation
- D. Increased sexual desire and drive.

Answer: A



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18. Which of the following is not included under barrier methods of birth control ?

A. Vaginal pouch

B. Diaphragm

C. Cervical cap

D. Implant

Answer: D



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19. Which of the following hormone/s is/are maintained at high level during hormonal method of birth control ?

A. FSH

B. LH

C. Progesterone

D. Both (1) & (2)

Answer: C



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20. Which of the following is world's first non-hormonal oral contraceptive pill for females, developed by scientists at Central Drug Research Institute (CDRI) in Lucknow, India ?

A. Mala-D

B. Saheli

C. Morning after pills

D. PoP

Answer: B



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21. Which of the following is a one-a-week pill with very few side-effects and high contraceptive value ?

A. Mala-D

B. Saheli

C. Dep-provera

D. Norplant

Answer: B



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22. Oral contraceptive pills contain

A. FSH and LH hormones

B. Progesterone and estrogen combination

C. Prolactin

D. Mifepristone

Answer: B



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23. Contraceptive pills are very effective with lesser side-effects and are well accepted by the females. They work by

A. Inhibiting ovulation

B. Inhibiting implantation

C. They alter the quality of cervical mucus to prevent/retard the entry of sperms.

D. All of these

Answer: D



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24. Which one of the following is the most widely used method of contraception by females in India?

A. Oral contraceptive pills

B. Condoms

C. IUDs

D. Sterilisation

Answer: C



25. Which of the following contraceptive device is inserted by the doctor or trained nurse in the uterus through the vagina?

A. Diaphragm

B. Cu-T

C. Condom

D. Vault

Answer: B



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26. Which of the following is an additional advantages of hormone releasing IUDs?

A. Increase phagocytosis of sperms

B. Suppress sperm motility and the fertilising capacity of spems.

C. They make the uterus unsuitable for implantation and cervix hostile to the sperms

D. They always inhibit ovulation.

Answer: C



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27. Amongst the following methods of contraception, which can be regarded as the most cost effective and easily reversible method of contraception?

A. Cu-T

B. Tubectomy

C. Vasectomy

D. Sterilisation method

Answer: A



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28. Which of the following is hormone-releasing IUD ?

A. Cu-T

B. LNG-20

C. Multiload 375

D. Implant

Answer: B



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29. Which of the following cannot protect the user from contracting AIDS?

A. Diaphragm

B. Cervical caps

C. Vaults

D. All of these

Answer: D



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30. Implants under the skin and injectables contain

A. Progestogen alone

B. Progesterone and estrogen

C. FSH and LH

D. Both (1) and (2) are correct

Answer: D



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31. A birth control implant having six small, plastic cylinders and with the effective period much longer upto 5 years is

A. Norplant

B. Multiload-375

C. Injectable

D. LNG-20

Answer: A



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32. Which of the following is a terminal method of contraception to prevent any more pregnancies?

A. Barrier method

B. IUD

C. Hormonal method

D. Sterilisation method

Answer: D



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33. "Norplant" is the new form of birth control
and it

- A. Allow ovulation but doesn't allow fertilization
- B. Makes the cervical mucus thin making sperm entry into the uterus difficult.
- C. Has progesterin as the active ingredient
- D. Is effective for a maximum of one year.

Answer: C



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34. MTPs are considered relatively safe up to ___ of pregnancy.

A. 12

B. 20

C. 25

D. 18

Answer: A



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35. Which of the following drug is progesterone antagonist and acts as an abortion drug ?

A. Saheli

B. Mifepristone

C. Mala-N

D. Depo-provera

Answer: B



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36. All the following are use of amniocentesis, but one is a misuse. Which one is it ?

A. The centres for genetic counselling offer amniocentesis on request to women for chromosomes analysis.

B. This technique has been developed for detecting foetal abnormalities by analysing chromosomal defects.

C. It is used to study metabolic defects of foetus like PKU (phenyl ketonuria).

D. It is done to examine the sex of the foetus leading to increasing female foeticides.

Answer: D



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37. A sterilization technique in female which blocks gamete transport and thereby prevents conception is

A. Vasectomy

B. Copper-T

C. Condom

D. Tubectomy

Answer: D



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38. Which of the following have been found to be very effective as emergency contraceptive as they could be used to avoid possible

pregnancy due to rape if given within 72 hours?

(A) Administration of progestogens

(B) Progestogen-estrogen combination.

(C) IUD's inserted within 72 hours of coitus.

A. A only

B. A and B only

C. B only

D. A,B and C

Answer: D



39. Sexually transmitted diseases can get transmitted easily during the use of

A. Diaphragm with spermicide

B. Cervical cap

C. Birth control pills

D. All of these

Answer: D



40. Which of the following STD is not caused by a bacterium ?

A. Chlamydia

B. Gonorrhoea

C. Syphilis

D. Genital Herpes

Answer: D



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41. Which of the following STD and its causative agent is not correctly matched ?

A. Genital warts : Haemophilus ducrei

B. Syphilis - Treponema pallidum

C. Genital herpes : Type II Herpes simplex
virus (HSV-2)

D. Trichomoniasis - Trichomonas vaginalis

Answer: A



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42. Which of the following sexually transmitted diseases is caused by a protozoan ?

- A. Gonorrhoea
- B. Trichomoniasis
- C. Chlamydiasis
- D. Syphilis

Answer: B



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43. Which of the following STDs cannot be treated with antibiotics ?

A. Gonorrhoea B. Syphilis

C. Chlamydia D. Genital herpes

A. D only

B. B and D

C. C and D

D. C only

Answer: A



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44. Which of the following STDs is caused by the human papilloma virus (HPV) and is transmitted through intimate contact with infected person ?

A. Genital herpes

B. Genital warts

C. AIDS

D. Chlamydia

Answer: B



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45. Most of the sexually transmitted diseases are completely curable if detected early and treated properly, except

- A. Hepatitis-B
- B. Genital herpes
- C. HIV infections
- D. All of these

Answer: D



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46. AIDS day is

A. 11th July

B. 1st December

C. 1st July

D. 7th April

Answer: B



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47. Which of the following is the most appropriate statement of infertility ?

A. Couple is unable to produce children in spite of unprotected sexual co-habitation even after two years

B. It is the inability to produce a viable offspring and is always due to defects abnormalities in the female partner

C. Infertility is due to immature sex organs

D. Infertility cannot be helped by ART

Answer: A



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48. Surrogate mother is

A. Mother without lactation

B. Future mother with embryo implanted

from another

C. Female carrying several embryos

D. Artificially inseminated female

Answer: B



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49. The latest technique to produce a child is

"GIFT". The full form is

A. Gametic internal fertilization and

transfer

B. Gametic intra fallopian transfer

C. Gametic inter fallopian transfer

D. General internal fallopian transfer.

Answer: B



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50. All the following statement about ZIFT are correct, but one is wrong. Which one is wrong

?

- A. It is zygote intra fallopian transfer
- B. Zygote is transferred into the fallopian tube after IVF
- C. Early embryos upto 8 blastomeres can also be transferred into the fallopian tubes.
- D. Embryos with more than 8 blastomers are also transferred into the fallopian tubes.

Answer: D



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Section B Objective Type Questions

1. null

A. Birth rate equals death rate

B. Emigration equals immigration if

population is same, in both places

C. Doubling time is 33 years

D. Both (1) & (2)

Answer: D



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2. Which of the following can be taken as characteristic demographic features of the development countries?

- (a) High fertility rate
- (b) Rapidly rising mortality rate.
- (c) Very young age distribution.
- (d) Rapid population growth

(e) Rapidly falling mortality rate

(f) Very old age distribution.

A. (a), (b), (c), (d)

B. (a), (c), (d), €

C. (a), (b) (c), (d)

D. (a), (b), (d), (e)

Answer: B



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3. Which of the following can be taken as the most convincing factor for indicating the rapid increases in population growth of a country?

A. Low mortality rate

B. High birth rate

C. Low replacement level

D. High population of young children

Answer: B



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4. In India, population crossed one billion mark in May 2000. The probable reasons for this are, decline in

(A) Maternal mortality rate (MMR).

(B) Infant mortality rate (IMR).

(C) Number of people in reproductive age

(D) Death rate

A. A & B only

B. A, B & C

C. A, B & D

D. A,B, C & D

Answer: C



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5. Castration cannot be taken as a contraceptive device, because

A. Deficiency of testosterone hormone, will deprive a person of sexual drive, desire and/or the sexual act

B. It inhibits gamete transport

C. It is surgical method of contraception

also called sterilisation

D. This technique is highly effective but its

reversibility is poor.

Answer: A



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6. In lactational amenorrhoea, there is no ovulation or menstruation during the period of intense lactation following parturition, due to high level of prolactin, which?

A. Inhibits the releases of gonadotropins

B. Inhibits the releases of estrogen and progesterone

C. Stimulate the release of FSH and LH

D. Stimulates the release of estrogen and progesterone.

Answer: A



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7. Which of the following is a wrong match between the type of contraception and its function?

- A. Contraceptive pills- Inhibit ovulation
- B. Sterilisation - Inhibit gamete formation
- C. IUDSs - Inhibit implantation

D. Natural methods - Avoid chances of ovum and sperm meeting.

Answer: B



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8. Which of the following is a copper releasing IUD?

A. Lippes loop

B. Multiload 375

C. LNG-20

D. Progesterone

Answer: B



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9. Which of the following is incorrectly matched?

A. Non-medicated IUDs - Lippes loop

B. Copper releasing IUD - LNG-20

C. Hormone releasing IUD- Progestasert

D. Saheli - Once a week contraceptive pill

Answer: B



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

A. They increase phagocytosis of sperm within the uterus.

B. They suppress sperm motility and the fertilising capacity of sperms.

C. They make the uterus unsuitable for implantation

D. They inhibit ovulation

Answer: B



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11. Which of the following statement is not correct about oral contraceptive pills?

A. They have to be taken daily for a period of 21 days, starting preferably within the first five days of menstrual cycles.

B. They contain small doses of progestogen- estrogen combination

C. They inhibit ovulation and implantation.

D. Ovum and sperms are prevented from physically meeting with the help of barriers.

Answer: D



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12. All the following statements are correct about 'Saheli', but one is wrong. Which one is wrong?

- A. New oral contraceptive pill for females.
- B. Contains non-steroidal preparation.
- C. It is 'once a week pill'.
- D. It increases the phagocytosis of the sperm within the uterus.

Answer: D



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13. Contraceptive pills are very effective with lesser side-effects and are well accepted by the females. They work by

A. Inhibiting ovulation

B. Inhibiting implantation

C. They alter the quality of cervical mucus to prevent/retard the entry of sperms.

D. All of these

Answer: D





14. Vasectomy has no effect on the sexual life of male because:

A. He can Still ejaculate and has normal secretion of sex hormones in blood.

B. Vasectomy affects the hormonal secretion but the person can ejaculate semen with normal number of sperms

C. He cannot ejaculate but the hormone levels are normal.

D. Vasectomy does not affect the sexual desire but can cause impotency.

Answer: A



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15. Which of the following statement is not true with respect to tubectomy or tubal ligation ?

A. It is more difficult than vasectomy and is even more difficult to reverse.

B. No ovulation occurs, hence no fertilization is possible

C. It involves ligation of both fallopian tubes.

D. The failure rate of this approach is almost zero percent.

Answer: B



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16. The use of which of the following contraceptive device has increased in recent years due to its additional benefit of protecting the user from contracting STDs and AIDS ?

A. Coitus interruptus

B. IUDs (Intra Uterine Devices)

C. Condoms

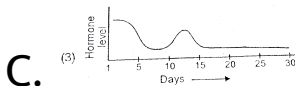
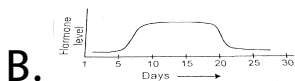
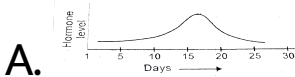
D. Vasectomy

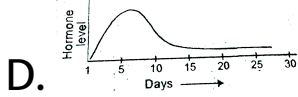
Answer: C



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17. Which of the following graphs is the correct representation of the level of progesterone in a female who has been using Mala-D as a method of birth control.





Answer: B



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18. Mark the incorrect statements

(A) Castration is a method of contraception.

(B) MTPs have a significant role in decreasing the size of population, so it is legal.

(C) Amniocentesis for sex determination is banned in our country.

(D) Nearly 45 to 50 million MTPs are performed in a year all over the world

A. A & B only

B. C & D only

C. A, B & C

D. A, B, C & D

Answer: A



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19. The action of which of the following hormone is blocked during the use of RU 486 (mifepristone) ?

A. FSH

B. LH

C. Progesterone

D. hCG

Answer: C



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20. Which of the following method is used during abortion ?

A. Vaccum aspiration

B. Infusion of a saline solution / antiseptics

C. Scraping / D & C

D. All of these

Answer: D



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21. Which of the following is an important detection technique for syphilis ?

- A. Gram staining of the discharge
- B. Nucleic acid hybridisation, PCR
- C. Antibody detection e.g., VDRL
- D. Microscopic examination of culture

Answer: C



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22. Which of the following causative agents of STDs can cross the placenta ?

A. Hepatitis-B

B. HIV

C. Syphilis

D. All of these

Answer: D



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23. Which of the following virus has dsDNA as the genetic material and is transmitted mainly be sexual contact ?

- A. Hepatits-A
- B. Hepatitis-B
- C. Hepatitis-C
- D. All of these

Answer: B



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24. The most common site of infection in a female suffering from chlamydia?

A. Cervix

B. Urethra

C. Uterine tubes

D. Bladder

Answer: A



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25. Which of the following parts cannot get affected in a female suffering from chlamydia?

A. Cervix

B. Urethra

C. Uterine tubes

D. Bladder

Answer: D



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26. Which of the following cannot be taken as the symptom of a female suffering from gonorrhoea ?

A. Enlargement of uterus

B. Discharge of pus from vagina

C. Inflammation of uterine tubes

D. Peritonitis or inflammation of the peritoneum

Answer: A



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27. In case of a person suffering from syphilis, change formation occurs during

- A. Primary stage
- B. Secondary stage
- C. Tertiary stage
- D. Neurosyphilis stage

Answer: A



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28. Which of the following stage of syphilis is characterized by skin rash, fever and aches in joints and muscles ?

- A. Primary stage
- B. Secondary stage
- C. Tertiary stage
- D. Neurosyphilis stage

Answer: B



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29. The "symptomless" period or latent period in case of syphilis may last for

A. 1-5 weeks

B. 6-24 weeks

C. 4-12 weeks

D. 20 years

Answer: D



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30. Which of the following cells are infected in a person suffering from AIDS?

A. CD_4 receptor cells

B. CD_8 receptor cells

C. Killer T cells

D. Germ cells

Answer: A



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31. Which of the following statements about hepatitis-B is incorrect?

A. It is one of the examples of STD

B. It is spread primarily by sexual contact,
even by contaminated syringes and
blood transfusion

C. It is 42 nm enveloped virus containing
ss-RNA as the genetic material

D. Recombivax HB, vaccine is available to prevent hepatitis-B infection

Answer: C



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32. Syphilis is an infectious bacterial diseases caused by *Treponema pallidum* with 3 stages

(A) Infectious painless ulcers on the genitals -

(i) First

(B) Blindness, heart trouble, aortic impairment

- (ii) Second

(C) Skin lesions, hairloss, swollen joints - (iii)

Third

Which of the following is the correct match between the symptoms and stage?

A. (A)-(i), (B)-(ii), (C)-(iii)

B. (A)-(iii), (B)-(i), (C)-(ii)

C. (A)-(i), (B)-(iii), (C)-(ii)

D. (A)-(ii), (B)-(iii), (C)-(i)

Answer: C



33. Which of the following can be complications resulting from STDs without timely detection and treatment?

(A) Pelvic inflammatory disease (PID)

(B) Still births

(C) Infertility or even cancer of reproductive tract

(D) Ectopic pregnancies

A. A & B only

B. A,B & C

C. A only

D. A,B,C & D

Answer: D



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34. If a person is suffering from severe male infertility, in which the ejaculate contains very few sperms (oligozoospermia) or even no live sperm (azoospermia), it can be overcome by

_____. This should offer couples an alternative to using donor sperm.

A. GIFT

B. ZIFT

C. ICSI

D. IVF

Answer: C



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35. Test-tube baby is the one

A. Who is reared on artificial medium
outside the womb

B. Growth of human baby inside the
fallopian tube instead of uterus

C. Ova from wife/donor (female) and
sperms from husband/donor (male) are
induced to form zygote by IVF and then
implanted in female

D. Baby born after artificial insemination.

Answer: C



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Section C Previous Years Questions

1. The function of copper ions in copper releasing IUD's is

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

Answer: A



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

A. Intrauterine transfer

B. Gamete intracytoplasmic fallopian transfer

C. Artificial Insemination

D. Intracytoplasmic sperm injection.

Answer: C





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3. 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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4. 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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5. Embryo with more than 16 blastomeres formed due to in vitro fertilization is transferred into :

- A. Uterus
- B. Fallopian tube
- C. Fimbriae
- D. Cervix

Answer: A



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

A. It can be used for detection of Cleft palate.

B. It is usually done when a woman is between 14-16 weeks pregnant.

C. It is sued for parental sex determination.

D. It can be used for detection of Down syndrome.

Answer: A



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

A. Vasectomy - Prevents spermatogenesis

B. Barrier methods - Prevent fertilization

C. Intra uterine devices- Increases phagocytosis of sperms, suppress sperm

motility and fertilizing capacity of sperms

D. Hormonal contraceptives -

Prevent/retard entry of sperms, prevent ovulation and fertilization

Answer: A



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8. A childless couple can be 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





9. Which of the following is not a sexually transmitted diseases ?

A. Encephalitis

B. Syphilis - *Treponema pallidum*

C. Acquired Immuno Deficiency Syndrome

(AIDS)

D. Trichomoniasis

Answer: A



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10. 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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11. Which of the following is a hormone releasing intra uterine device (IUD)?

A. Multiload 375

B. LNG-20

C. Cervical cap

D. Vault

Answer: B



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12. 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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13. Which of the following cannot be detected in a developing foetus by amniocentesis?

A. Sex of the foetus

B. Down syndrome

C. Jaundice

D. Klinefelter syndrome

Answer: C



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

A. Zygote intra fallopian transfer (ZiFT)

B. Intra cytoplasmic sperm injection (ICSI)

C. Intra uterine insemination (IUI)

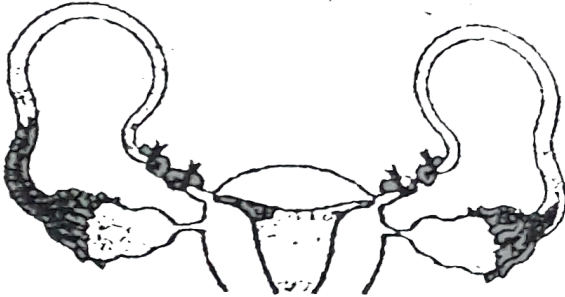
D. Gamete intra fallopian transfer (GIFT)

Answer: A



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



- A. Vasectomy
- B. Ovarian cancer
- C. Uterine cancer
- D. Tubectomy

Answer: D



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17. Which of the following is the most widely accepted method of contraception in india at present ?

A. IUDs' (Intra uterine devices)

B. Cervical caps

C. tubectomy

D. Diaphragms

Answer: A



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

- A. Six weeks
- B. Eight weeks
- C. Twelve weeks
- D. Eighteen weeks

Answer: C



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19. The technique called gamete intrafallopian transfer (GIFT) is recommended for those females

A. Whose cervical canal is too narrow to allow passage for the sperms

B. Who cannot provide suitable environment for fertilisation

C. Who cannot produce an ovum

D. Who cannot retain the foetus inside uterus.

Answer: C



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20. 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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21. Cu ions released from copper-releasing intra uterine devices (IUDs)

A. Prevent ovulation

B. Make uterus unsuitable for implantation

C. Increases phagocytosis of sperms

D. Suppress sperm motility

Answer: D



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22. 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-(b), B-(c), C-(a), D-(d)

B. A-(C), B-(a), C-(d), D-(b)

C. A-(d), B-(a), C-(b), D-(c)

D. A-(c), B-(d), C-(a), D-(b)

Answer: B



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23. Consider the statements given below regarding contraceptions and answer as directed thereafter:

(1) Medical Termination of Pregnancy (MTP) during first trimester is generally safe

(2) Generally chances of contraception are nil until mother breast-feeds the infant upto two years

(3) Intrauterine devices like copper-T are effective contraceptives

(4) Contraceptive pill may be taken upto one week after coitus to prevent conception

A. a,b

B. b,c

C. c,d

D. a,c

Answer: D



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Questions Asked Prior To Medical Ent Exams 2005

1. One of the legal methods of birth control is
 - A. By abstaining from coitus from day 10 to 17 of the menstrual cycle
 - B. By having coitus at the time of the day break
 - C. By a premature ejaculation during coitus

D. Abortion by taking an appropriate medicine.

Answer: D



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Questions Asked Prior To Medical Ent Exams 2006

1. One of the following is not a method of contraception- which one

A. Tubectomy

B. Condoms

C. Pills of a combination of oxytocin and
vasopressin

D. Lippes loop

Answer: C



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**Questions Asked Prior To Medical Ent Exams
2007**

1. Which one of the following statements is correct regarding sexually Transmitted Diseases (STD)

A. The chances of a 5 year boy contacting a STD are very little

B. A person may contact syphilis by sharing milk with one already suffering from the disease.

C. Haemophilia is one of the STD

D. Genital herpes and sickle-cell anaemia
are both STD

Answer: A



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Questions Asked Prior To Medical Ent Exams 2008

1. stage transferred to uterus after induced
fertilization on ova in the laboratory is

A. Zygote

B. Embryo at 4 blastomere stage

C. Embryo at 2 blastomere stage

D. Morula

Answer: D



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**Questions Asked Prior To Medical Ent Exams
2009**

1. The most important factor which determined the increase in human population in India during the 20th century :

A. Natality

B. Mortality

C. Immigration

D. Emigration

Answer: B



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Questions Asked Prior To Medical Ent Exams 2010

1. The age of pyramid with broad base indicates :

- A. High percentage of young individuals
- B. Low percentage of young individuals
- C. High percentage of old individuals
- D. Low percentage of old individuals

Answer: A



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Questions Asked Prior To Medical Ent Exams 2011

1. The present population of the world is about

A. 15 billion

B. 6 billion

C. 500 million

D. 100 million

Answer: B



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Questions Asked Prior To Medical Ent Exams 2012

1. Most important component of oral contraceptive is :

A. Thyroxine

B. Luteinizing hormone

C. Progesterone

D. Growth hormone

Answer: C



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Questions Asked Prior To Medical Ent Exams 2013

1. Tablets to prevent female contraception contain

A. Progesterone

B. LH

C. FSH

D. Both (2) & (3)

Answer: A



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Questions Asked Prior To Medical Ent Exams 2014

1. Which is showing accurate pairing

A. Syphilis- *Treponema pallidum*

B. AIDS - *Bacillus anthracis*

C. Gonorrhoea- *Leishmania donovani*

D. Typhoid - *Mycobacterium leprae*

Answer: A



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Questions Asked Prior To Medical Ent Exams 2015

1. What is the function of non-medicated IUD?

A. To inhibit ovulation

B. To inhibit fertilization

C. To inhibit implantation of blastocyst

D. To inhibit gametogenesis

Answer: C



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1. What is the work of progesterone which is present in oral contraceptive pills ?

A. To inhibit ovulation

B. To check oogenesis

C. To check entry of sperms into cervix and to make them inactive

D. To check sexual behaviour

Answer: A



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Questions Asked Prior To Medical Ent Exams 2017

1. Test tube baby means a baby born when

A. It is developed in a test tube

B. It is developed through tissue culture method

C. The ovum is fertilized externally and thereafter implanted in the uterus

D. It develops from a non-fertilized ovum

Answer: C



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Questions Asked Prior To Medical Ent Exams 2018

1. In vitro fertilisation 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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Questions Asked Prior To Medical Ent Exams 2019

1. Spirochetes are

A. A class of insects

B. A class of viruses

C. Bacteria

D. Fungi

Answer: C



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Sectoin D Assertion Reason Type Questions

1. Assertion : Population of India crossed 1 billion in May 2000.

Reason : It is the result of rapid decline in death rate, maternal mortality rate (MMR), and infant mortality rate (IMR) as well as an increase in the number of people in reproductive age.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: A



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2. Assertion : Intra-uterine devices (IUDs) are very effective contraceptive method.

Reason : IUDs do not allow sperms to enter uterus.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

expalanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: C



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3. A: Surgical method blocks gamete transport and thereby prevents conception.

R: Surgical method used in the male for this purpose is called vasectomy.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer:



Watch Video Solution

4. A: Saheli: the new oral contraceptive for the female contains a non-steroidal preparation.

R: It is 'once a week' pill with very few side effects and high contraceptive value.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



Watch Video Solution

5. A: In test-tube baby programme, ova from wife/donor (female) and sperms from the husband/donor(male) are collected and induced to form zygote under simulated conditions in laboratory.

R: Embryos with more than 8 blastomeres are then transferred to fallopian tube (ZIFT) to complete its further development.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: C



Watch Video Solution

6. A: Once conception has occurred abortion can be induced by mifepristone drug.

R: Mifepristone is progesterone antagonistic.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: A



Watch Video Solution

7.A: Lactational amenorrhoea is due high level of prolactin.

R: Prolactin stimulates the releases of gonadotropins.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

expalanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: C



Watch Video Solution

8. A: Surgical method of contraceptions is terminal method to prevent any more pregnancies.

R: Surgical methods of contraception prevent gamete formation.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: C



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9. A: Castration cannot be considered as a contraception option.

R: It should in no way interfere with the sexual drive, desire and/or the sexual act of the user.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: A



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10. A: Disease or infections which are transmitted through sexual intercourse are collectively called sexually transmitted diseases.

R: STDs if not properly treated may lead to pelvic inflammatory diseases, absorption, still birth, ectopic pregnancies, infertility or even cancer of reproductive tract.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: B



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11. A: Periodic abstinence is one such natural method of contraception in which the couples avoid or abstain from coitus from day 10 to 17 of the menstrual cycle, when ovulation could be expected.

R: Day 10 to day 17 of menstrual cycle is considered as safe period.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: C



Watch Video Solution

12. A: 'Saheli' - new oral contraceptive for the females was developed at CDRI, Lucknow.

R: It has no steroid in it.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



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13. A: Surgical method also called sterilisation are generally advised for the male/female partner as a terminal method to prevent any more pregnancies.

R: These techniques are highly effective but their reversibility is poor.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: B



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14. A: Inability to conceive or produce children even after 2 years of unprotected sexual cohabitation is infertility.

R: Infertility is synonym for sterility.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

expalanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: C



Watch Video Solution

15. A: Inability to conceive or produce children even after 2 years of unprotected sexual cohabitation is infertility.

R: In Vitro fertilization followed by transfer of embryo into the female genital tract is 'Test Tube Baby' programme.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct expalanation of the assertion, then mark (2).

C. If Assertion is true statement but Reason is false, then mark (3)

D. If both Assertion and Reason are false statements, then mark (4).

Answer: B



Watch Video Solution

16. A: Every sixth person in the world is an Indian.

R: Life expectancy depends upon average life span.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



Watch Video Solution

17. A: Use of condom is a safeguard against AIDS and sexual diseases besides checking pregnancy.

R: Certain contraceptives are planted under the skin of upper arm to prevent pregnancy.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



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18. A: Maximum chances of failure in Rhythm method of contraception.

R: Very few women have absolutely regular cycles.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: A



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19. A: Both vasectomy and tubectomy are very effective as the failure rate of such surgical approaches is almost zero percent.

R: Reversibility is poor.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



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20. A: Lactational amenorrhoea is one of the natural method of birth control.

R: High level of prolactin inhibits the secretion of gonadotropins.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: A



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21. A: Nearly some of the total pregnancies get aborted world-wide.

R: Under MTP Act, 1971 medical termination of pregnancy can be done upto 20 weeks but it is safe upto 12 weeks of pregnancy.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reasons is not the correct

explanation of the assertion, then mark

(2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: B



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22. A: Gossypol inhibits spermatogenesis.

R: Centchroman inhibits ovulation.

A. If both Assertion & Reason are true and the reason is the correct explanation of the assertion, then mark (1).

B. If both Assertion & Reason are true but the reason is not the correct explanation of the assertion, then mark (2).

C. If Assertion is true statement but

Reason is false, then mark (3)

D. If both Assertion and Reason are false

statements, then mark (4).

Answer: C



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