



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

REPRODUCTIVE HEALTH

Multiple Choice Questions

1. Average failure rate of intrauterine contraceptive device is

A. 0.23

B. 0.2

C. 0.01

D. 0.04

Answer: D



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2. Fracoise Barre-Sinoussi and Luc montaganier got the Nobel prize for the discovery that AIDS is caused by HIV. The Nobel prize was awarded in

A. 2006

B. 2007

C. 2008

D. 2009

Answer: C



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3. Which of the following disease is diagnosed by Australian antigen test

A. AIDS

B. hepatitis B

C. Genital warts

D. Chancroid

Answer: B



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4. Vaccine of which STD is produced through recombinant DNA technology for prevention of the disease

A. syphilis

B. chancroid

C. Hepatitis B

D. AIDS

Answer: C



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5. In AIDS the drug of choice is

A. acyclovir

B. Didanosine

C. Atovaquone

D. tetracycline

Answer: C



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6. Which is not correct?

- A. Hormonal injections contain progestin a hormone, similar to progesterone
- B. permanent methods of birth control are vasectomy and tubectomy
- C. i-pill, pill-72 and unwanted-72 are morning after pills
- D. a spermicide is less effective when used together with a barrier method of birth control

Answer: D



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7. test which is misused for sex identification of an unborn baby is

- A. 1) clotting test
- B. 2) amniocentesis
- C. 3) erythroblastosis
- D. 4) angiogram

Answer: B



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8. Which of the following causes abortion in ladies?

A. Bacteria

B. Viruses

C. Mycoplasma

D. None of these

Answer: C



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9. Which of the following is a method of birth control?

A. GIFT

B. IVF-ET

C. IUCDs

D. HTF

Answer: C



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10. Which one of the following correctly matches a sexually transmitted disease (STD) with its pathogen?

A. AIDS-Bacillus anthracis

B. Urethritis-Entamoeba gingivalis

C. Syphilis-Treponema pallidum

D. Gonorrhoea-Leishmania donovani

Answer: C



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11. 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 sperm

A. 1) a-iii, b-iv, c-i, d-ii

B. 2)a-ii,b-i,c-iv,d-iii

C. 3)a-iii,b-i,c-iv,d-ii

D. 4)a-iv,b-i,c-ii,d-iii

Answer: C



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12. Consider the statements given below regarding contraception and answer is directed thereafter

(a) medical termination of pregnancy (MTP) during first trimester is generally safe

(b). Generally chances of conception are nil until mother breast feeds the infant upto two years

(c). Intrauterine devices like copper-T are effective contraceptives

(d). Contraception pills may be taken upto one week after coitus to prevent conceptions

Which two of the above statements are correct?

A. a,c

B. a,b

C. b,c

D. c,d

Answer: A



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13. "Morning after Pills" can prevent pregnancy if taken within Hours.

A. 1)50

B. 2)60

C. 3)40

D. 4)72

Answer: D



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14. Andropause of male human beings is similar to

A. androgen binding protein

B. female menopause

C. prostaglandin

D. androgen

Answer: B



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15. Confirmatory test of syphilis is

A. ELISA

B. PCR

C. VDRL

D. DNA hybridisation

Answer: C



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16. The hormone releasing IUDs make the_____unstable
for implantation.

A. fallopian tube

B. uterus

C. vagina

D. ovary

Answer: B



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17. Combined pills contains synthetic _____ to check ovulation

- A. LH and progesterone
- B. FSH and oestrogen
- C. progesterone and oestrogen
- D. LH and FSH

Answer: C



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18. Assertion : Saheli, the new oral contraceptive for the females contains a steroidal preparation

Reason : Saheli is taken daily without a break.

A. A. Both Assertion and Reason are correct and

Reason is the correct explanation for Assertion

B. B. Both Assertion and Reason are correct but

Reason is not the correct explanation for

Assertion

C. C. Assertion is correct but Reason is incorrect

D. D. Both Assertion and Reason are incorrect

Answer: B



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19. Which of the following is/are called morning after pills

A. i-pills

B. Pill-72

C. unwanted-72

D. all of these

Answer: D



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20. Depo-provera are

- A. growth hormones
- B. oestrogen derivative injections
- C. progesterone-derivative injections
- D. glucocorticoids

Answer: C



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21. Chemical methods of birth control involves the use of

A. condom

B. loop

C. cream or gel

D. diaphragm

Answer: C



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22. A contraceptive can be

A. condom, cervical cap or diaphragm

B. intrauterine device

C. pill

D. all the above

Answer: D



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23. Which of the following is a mechanical device which prevents pregnancy by preventing fertilization and an IUCD for birth control?

A. Copper-T

B. A combined pill

C. Foam tablet

D. Abortant pill

Answer: A



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24. A permanent method of birth control is

A. 1)vasectomy in males

B. 2)tubectomy in females

C. 3)both (1) and (2)

D. 4)None of these

Answer: C



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25. Which mechanical device to control child birth is fitted on the cervix?

A. Diaphragm

B. condom

C. loop

D. copper T

Answer: A



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26. A contraceptive pill prevents ovulation by :

A. blocking fallopian tube

B. inhibiting release of FSH and LH

C. stimulating release of FSH and LH

D. causing immediate degeneration of released
ovum

Answer: B



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27. Woman plays a greater role in procreation than man (woman is biologically superior to man) because the

- A. nurses the foetus in her womb
- B. feeds the infant on her milk
- C. cleans infant's excreta
- D. does all the above

Answer: D



28. Polymerase chain reaction (PCR) is used for the detection of

A. genital herpes

B. Malaria

C. Small pox

D. measles

Answer: A



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29. Which of the following is a sexually transmitted disease?

A. 1)Q fever

B. 2)syphilis

C. 3)Gonorrhoea

D. 4)Both (2) and (3)

Answer: D



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30. Gonorrhoea is a

A. Bacterial disease

B. Venereal disease

C. STD

D. All of these

Answer: D



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31. Condoms are used by

A. female

B. male

C. both (1) and (2)

D. None of these

Answer: C



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32. Birth control pills have

A. no side effects

B. side effect

C. nutrients

D. enzymes

Answer: B



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33. Coitus interruptus method of birth control involves

A. uterus

B. vesdeferens

C. withdrawal of penis just before male ejaculates

D. barrier method

Answer: C



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34. Chlamydia are obligate intracellular organisms which contain

A. 1)RNA

B. 2)DNA

C. 3)both (1) and (2)

D. 4)tRNA

Answer: C



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35. Sequential pills contains

A. a high dose of oestrogen

B. moderate dose of progesterone

C. both (1) and (2)

D. high dose of FHS and LH

Answer: C



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36. Barrier methods of birth control are use of

A. condom

B. Contraceptive sponge

C. diaphragm

D. all of these

Answer: D



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37. Some women cannot use IUDs because of

A. 1)expulsion

B. 2)bleeding

C. 3)discomfort

D. 4)all of these

Answer: D



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38. Spermicides kill the sperms in the

A. vagina

B. cervix

C. fallopian tubes

D. both (1) and (2)

Answer: D



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39. Syphilis is curable through appropriate antibodies, e.g., penicillin, tetracycline. However, tetracycline should

not be given to

- A. 1)pregnant woman
- B. 2)children under 12 years of age
- C. 3)young persons
- D. 4)both (1) and (2)

Answer: D



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40. Gonorrhoea and syphilis are common in

- A. african countries

B. European countries

C. All over the world

D. Asia countries

Answer: C



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41. Chlamydia trachomatis causes

A. trachoma

B. sexually transmitted disease

C. perinatal infection

D. all of the above

Answer: D



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42. Which of the following is sexually transmitted disease/s

A. Typhoid

B. Tetanus

C. Leprosy

D. Hepatitis-B

Answer: D



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43. Genital warts STD is a viral disease and is caused by

A. Chlamydia trachomatis

B. Trichomonas vaginalis

C. Treponema pallidum

D. Human papilloma virus

Answer: D



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44. The polymerase chain reaction (PCR) is a novel test the method for amplifying first invented in 1984 by kary mullis permits the synthesis of millions of copies of specific DNA sequence in a few hours. Kary mullis (US) and michael smith (british-canadian) got Nobel prize in 1993 in

- A. Physics
- B. Chemistry
- C. Physiology or medicine
- D. Peace

Answer: B



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45. Essay on population was published by

A. Darwin

B. lamarch

C. Malthus

D. Hugo de Veries

Answer: C



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46. The present rate of human population is approximately

A. 1)2 percent

B. 2)2.5 percent

C. 3)3 percent

D. 4)3.5 percent

Answer: B



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47. The physiological capacity to produce offspring is called

- A. population growth
- B. birth rate
- C. biotic potential
- D. population explosion

Answer: C



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48. The main factor for population growth in india is

A. more of birth rate

B. less of death rate

C. lack of education

D. all of the above

Answer: D



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49. Incubation period in AIDS is:-

A. 4 months to 8 years

B. 5 months to 9 years

C. 6 months to 10 years

D. 7 months to 11 years

Answer: C



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50. Population explosion has occurred in the last :

A. 1)500 years

B. 2)300 years

C. 3)100 years

D. 4)50 years

Answer: C



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51. Which of the following is most convincing reason for increasing population growth in a country?

- A. High birth rate
- B. Low mortality rate
- C. High population of young children
- D. All of these

Answer: D



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52. Study of population trends is

A. kalography

B. psychobiology

C. biography

D. demography

Answer: D



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53. July 11 is

A. World Environment Day

B. World population day

C. World's AIDS day

D. World's Education day

Answer: B



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54. In the production of test tube baby

A. 1) Fertilization is external and foetus formation is internal

B. 2) fertilization is internal and foetus formation is external

C. 3) fertilization and foetus formation are external

D. 4) Fertilization and foetus formation are internal

Answer: A



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55. Certain characteristic demographic features of developing countries are

A. high fertility, high density, rapidly rising, mortality rate and a very young age distribution

B. high infant mortality rate, low fertility uneven population growth and a very young age distribution.

C. High mortality, high density, uneven population growth and a very young age distribution.

D. High fertility, low or rapidly falling mortality rate, rapid population growth and a very young age distribution

Answer: D



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56. Family planning programme was initiated in

A. A)1920

B. B)1930

C. C)1950

D. D)1951

Answer: D



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57. The first complete census in India was carried out in

:

A. 1871

B. 1872

C. 1958

D. 1972

Answer: B



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58. Human world population in 1700 AD was

A. A) 0.12 billion

B. B) 0.13 billion

C. C)0.15 billion

D. D)0.6 billion

Answer: D



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59. Marriageable age in india is (in years)

A. male 15, female 16

B. male 25 female 20

C. male 18 female 21

D. male 21 female 18.

Answer: D



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60. Contraceptive 'pills' are used by

A. male

B. female

C. both

D. none

Answer: B



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61. Government of india legalised MTP in

A. 1971

B. 1998

C. 2001

D. 2006

Answer: A



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62. Which of the following STDs are not completely curable ?

A. 1)chlamydia, gonorrhoea, trichomoniasis

B. 2)chancroid, syphilis, genital warts

C. 3)AIDS, syphilis, hepatitis B

D. 4)AIDS, genital herpes and Hepatitis B

Answer: D



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63. HIV attacks

A. RBCs

B. blood platelets

C. helper T cells

D. B-cells

Answer: C



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64. The permissible use of the technique amniocentesis is for :

A. detecting sex of the unborn foetus

B. artificial insemination

C. transfer of embryo into the uterus of a surrogate mother

D. detecting any genetic abnormality

Answer: D



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65. A population 'crash' is called catastrophic control of population. It was termed positive check by an economist

A. Malthus

B. Darwin

C. Lamarck

D. Mendel

Answer: A



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66. In India, which of the following methods is most widely accepted?

- A. Tubectomy and vasectomy
- B. Intra uterine contraceptive devices
- C. Oral contraceptive pills
- D. Use of condoms

Answer: B



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67. MTP is comparatively safe upto

A. 20 weeks

B. 15 weeks

C. 12 weeks

D. 10 weeks

Answer: C



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68. Worldhealth organisation (WHO) was set up in geneva (switzerland) on

A. 1)8th april, 1950

B. 2)10th april, 1949

C. 3)7th april, 1948

D. 4)8th april, 1947

Answer: C



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69. Baruch Blumberg was awarded to nobel prize in 1978 along with gajudusek. He prepared a vaccine against

A. 1)Hepatitis-A

B. 2)Hepatitis-B

C. 3)Hepatitis-C

D. 4)Hepatitis-D

Answer: B



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70. The first test tube baby Louise joy brown was born in Oldham, England on

A. 27.7.1961

B. 28.2.1912

C. 25.7.1978

D. 31.6.1930

Answer: C



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71. India's first test tube baby was born in August 6, 1986 in Mumbai. The credit for India's first test tube baby goes to

- A. Dr. Steptoe and Dr. Robert Edwards
- B. Dr. Indra Hinduja
- C. Dr. P. Venugopal
- D. Dr. William Harvey

Answer: B



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72. The fusion of ovum and sperm is done outside the body of woman to form zygote. The zygote is allowed to divide forming 8 blastomeres. The early embryo with not more than 8 blastomeres is transferred into the

A. uterus

B. Fallopian tube

C. cervix

D. Vagina

Answer: B



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73. The world's youngest parents were 8 and 9 years old, who lived in

A. South Africa

B. China

C. France

D. Canada

Answer: B



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74. Which of the following is antisterility vitamin?

A. Vitamin A

B. Vitamin C

C. Vitamin E

D. Vitamin D

Answer: C



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75. Baldness is related to

1. oxytocin

2. thyroxine

3. glucagon

4. androgens

A. oxytocin

B. thyroxine

C. glucagon

D. androgens

Answer: D



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76. Which of the following hormones helps to attain sexual maturity?

A. Secretin

B. somatostatin

C. serotonin

D. Follicle stimulating hormone

Answer: D



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77. On what factors the population of a species depends ?

A. 1) Biotic potential

B. 2) Carrying capacity of environment

C. 3) pollution

D. 4) both (1) and (2)

Answer: D



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78. Chancroid is caused by

A. *Neisseria gonorrhoeae*

B. *Trepanema pallidum*

C. *Haemophilus ducreyi*

D. Human papilloma virus

Answer: C



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79. Which one is not included in "barrier methods" of birth control?

1. Lippes loop

2. Diaphragms

3. Cervical caps

4. Vaults

A. Lippes loop

B. Diaphragms

C. Cervical caps

D. Vaults

Answer: A



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80. Infertility is the relative state of failure to conceive after how many year/years of sexual life without contraception?

1. One

2. Two

3. Three

4. Four

A. One

B. Two

C. Three

D. Four

Answer: B



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81. A sexually transmitted disease symptomized by the development of chancre on the genitals is caused by the infection of

- A. *Neisseria gonorrhoea*
- B. *Treponema palladium*
- C. Hepatitis B virus
- D. Human immunodeficiency virus

Answer: B



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82. Which of these is used to control human population?

- A. Estrogen+Progesterone
- B. IUCD+MTP
- C. Tubectomy and vasectomy
- D. all of these

Answer: D



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83. 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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84. If in a population, natality is balanced by mortality, then there will be

A. 1)increase in population growth

B. 2)decrease in population growth

C. 3)zero population growth

D. 4)over population

Answer: C



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85. 'Saheli' an oral contraceptive for females was developed by

1. AIIMS, Delhi

2. IICB, Kolkata

3. CDRI, Lucknow

4. SGPGI, Lucknow

A. AIIMS, delhi

B. IICB, kolkata

C. CDRI, Lucknow

D. SGPGI, Lucknow

Answer: C



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86. Deficiency of which of the following elements causes infertility?

1. Iron

2. Chlorine

3. Manganese

4. Zinc

A. Iron

B. Chlorine

C. Manganese

D. Zinc

Answer: C



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87. NACO (National AIDS control organisation) was established in

A. A)1984

B. B)1992

C. C)1991

D. D)2001

Answer: B



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88. In vitro fertilisation is a technique that involves transfer of which one of the following into the fallopian tube?

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

Answer: B



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

- A. make uterus unsuitable for implantation
- B. increase phagocytosis of sperms
- C. suppress sperm motility
- D. prevent ovulation

Answer: C



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90. A logistic growth curve depicting a population that is limited by a definite carrying capacity is shaped like the letter

A. J

B. L

C. M

D. S

Answer: D



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91. Oral contraception pills used by females help in birth control by

- A. inhibiting ovulation
- B. forming barrier between sperm and ovum
- C. kills ova
- D. kills sperms

Answer: A



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92. Which of the following cannot be considered as assisted reproductive technology

- A. 1) In vitro fertilization (IVF)
- B. 2) Gamete intra fallopian transfer (GIFT)
- C. 3) Medial termination of pregnancy (MTP)
- D. 4) Intra cytoplasmic sperm injection (ICSI)

Answer: C



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

A. who cannot provide suitable environment for fertilisation

B. who cannot produce an ovum

C. who cannot retain foetus inside uterus

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

Answer: B



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94. Consider the following statement (a-d) each with one or two blanks

(a) Bears go into (1) _____ during winter to (2) _____ cold weather

(b) A conical age pyramid with a broad base represents (3) _____ human population.

© A wasp pollinating a fig flower is an example of (4) _____

(d) an area with high levels of species richness is known as (5) _____

which one of the following options, gives the correct fill ups for the respective blank numbers from (1) to (5) in the statements:-

A. (3)-stable, (4)-commensalism, (5)- (marsh)

B. (1)-aestivation, (2)-escape, (3)-stable, (4)-
mutualism

C. (3)-expanding, (4)-commensalism, (5)-biodiversity
park

D. (1)-hibernation, (2)-escape, (3)-expanding, (5)-hot
spot

Answer: D



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95. In Assisted Reproductive technology, the method in which a sperm is directly injected into ovum is called

A. 1)ZIFT

B. 2)ICSI

C. 3)GIFT

D. 4)ET

Answer: B



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96. A vasectomy-

- A. 1)prevents the production of sperm in the testes
- B. 2)prevents the production of semen
- C. 3)prevents the movement of sperm into the urethra
- D. 4)prevents a man from having an erection

Answer: C



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97. The population limited to a particular geographic area is called as

- A. pandemic

B. endemic

C. alien

D. natural

Answer: B



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98. Copper releasing IUD is

A. Diaphragm

B. Multiload 375

C. LNG-20

D. Saheli

Answer: B



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99. In which of the following ART techniques the semen is artificially introduced into the female:

A. 1)ET

B. 2)GIFT

C. 3)IUT

D. 4)IUI

Answer: D



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100. Artificial insemination means

- A. 1) artificial introduction of sperms of healthy donor into the vagina
- B. 2) introduction of sperms of a healthy donor directly into the ovary
- C. 3) transfer of sperms of a healthy donor to a test tube containing ova

D. 4)transfer of sperms of husband to a test tube
containing ova

Answer: A



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101. Which one of the following is not the function of placenta? It

- A. Facilitates removal of carbon dioxide and waste material from embryo.
- B. Secretes oxytocin during parturition.

C. Facilitates supply of oxygen and nutrients to embryo.

D. Secretes estrogen

Answer: B



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

A. 1)Down syndrome

B. 2)Jaundice

C. 3)Klinefelter syndrome

D. 4)Sex of the foetus

Answer: B



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103. One of the legal methods of birth control is

- A. by having coitus at the time of day break
- B. by a premature ejaculation during coitus
- C. abortion by taking an appropriate medicine
- D. by abstaining from coitus from day 10 to 17 of
the menstrual cycle

Answer: D



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104. Assisted reproductive technology, IVF involves transfer of

- A. Embryo with 16 blastomeres into the fallopian tube
- B. ovum into the fallopian tube
- C. zygote into the fallopian tube
- D. Zygote into the uterus

Answer: C



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105. The main function of mammalian corpus luteum is to produce

A. relaxin only

B. estrogen only

C. progesterone

D. human chorionic gonadotropin

Answer: C



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106. Tubectomy is a method of sterilization in which

A. Uterus is removed surgically

B. small part of the fallopian tube is removed or tied up

C. ovaries are removed surgically

D. small part of vas deferens is removed or tied up

Answer: B



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

A. 1) Vault

B. 2) Multiloader 375

C. 3) LNG-20

D. 4) Cervical cap

Answer: C



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108. In context of amniocentesis, which of the following is incorrect?

A. It is used for prenatal sex determination

B. It can be used for detection of 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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109. 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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110. Which of the following is incorrect regarding vasectomy?

A. 1) No sperms occurs in seminal fluid

B. 2) No sperm occurs in epididymis

C. 3) Vasa deferentia is cut and tied

D. 4) Irreversible sterility

Answer: B



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111. 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::C



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

- A. Intrauterine transfer
- B. Gamete intracytoplasmic fallopian transfer
- C. Artificial insemination
- D. Intracytoplasmic sperm injection

Answer: C::D



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