



BIOLOGY

BOOKS - A2Z BIOLOGY (HINGLISH)

REPRODUCTIVE HEALTH

Section A Topicwise Questions Topic 1 Reproductive Health Problems Strategies And Population Exp

1. The first nation in the world to initiate various action plans at national level towards attaining a reproductively healthy society is

A. India

B. China

C. USA

D. Norway

Answer: A



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2. According to the World Health Organisation (WHO), reproductive health means a total well-being in all aspects of reproduction, that is

A. Physical

B. Social

C. Emotional and behavioural

D. All of the above

Answer: D



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3. To attain total reproductive health as a social goal, Indian Government initiated 'family planning' programmes (action plans) in the year

- A. 1951
- B. 1971
- C. 1974
- D. 1984

Answer: A



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4. The 'family planning' programmers were periodically assessed over the past decades. Improved programmes covering wider reproductive-related areas are currently in operation under the popular name

- A. RCH programmes
- B. ART programmes
- C. MPT programmes
- D. Test tube baby programmes

Answer: A



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5. What is the full form of RCH

- A. Reproduction cum Health care programmes
- B. Reproductive and Health care programmes
- C. Reproductive and Classical Health care programmes
- D. Reproductive and Child Health care programmes

Answer: D



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6. What are the major tasks under RCH programmes ?

- A. Creating awareness among people about various reproduction related aspects.
- B. Providing facilities and support for building up a reproductively health society.

C. Both A and B.

D. None of the above.

Answer: C



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7. Primary steps that can be taken towards attaining reproductive health are

a. Conselling and creating awareness among people about reproductive organs, adolescence and associated changes

b. Safe and hygienic sexual practices

c. Creating awarness about STDs including AIDS, etc

d. Ban on MTP and amniocentesis

A. a and b

B. b and c

C. a, b and c

D. a,b, c and d

Answer: C



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8. Medical assistance and care to people is required in reproduction related problems like

a Pregnancy

b. Delivery

c. STDs

d. Abortions

e. Contraception

f. Menstrual problems

g. Infertility

A. a, c, e and f

B. b,d and g

C. a, b, c, d, e and g

D. a, b, c, d, e, f and g

Answer: D



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9. Which one of the following causes population explosion ?

A. Decrease in death rate, maternal mortality rate and infant mortality rate

B. Decrease in death rate and increase in maternal mortality rate

C. Decrease in infant mortality rate and increase in death rate

D. Decrease in infant mortality rate and decrease in the number of people in reproductive age.

Answer: A



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10. CDRI stands for

- A. Central Dairy Research Institute
- B. Central Drug Related Institute
- C. Central Drug Research Institute
- D. Central Developmental Research Institute

Answer: C



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11. Which of the following is an indicative of improves reproductive health of the society ?

a. Better awareness about sex related matters

b. Increased number of medically assisted deliveries

c. Better post-natal care

d. Increased maternal and infant mortality rates

e. Decreased number of couples with small families

f. Better detection and cure of STDs

g. Overall increased medical facilities for all sex-related problems

A. a, c, d, and g

B. a, e, and f

C. b, d, e and f

D. a, b, c, f and g

Answer: D



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12. According to 2001 census report, the polulation growth rate as still around

- A. 1.7 per cent
- B. 17 per cent
- C. 17/100/year
- D. Both a and c

Answer: D



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

- A. Contraceptive devices
- B. Increased health facilities
- C. Better living conditions
- D. Both a and c

Answer: D



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14. Fill in the blanks:

Year	Population of India (in million)	Population of World (in million)
1900	280	a
1947	b	2600
2000	c	d
2016	e	f

A.

$$a - 3500, b - 200, c - 1000, d - 6000, e - 1300, f - 7000$$

B.

$$a - 1000, b - 3500, c - 2000, d - 7000, e - 6000, f - 8000$$

C.

$$a - 2000, b - 3500, c - 1000, d - 6000, e - 1300, f - 7000$$

D.

$$a - 3000, b - 1000, c - 2000, d - 2000, e - 4000, f - 7000$$

Answer: C



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15. The most important step to overcome the problem of population explosion is

- A. To statutory ban on amniocentesis
- B. To statutory ban on marriages
- C. To motivates smaller families by various contraceptive methods
- D. All of the above

Answer: C



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16. The problem of the population explosion can also be tackled by

- A. Statutory raising of marriageable age of the male to 18 years and that of females to 21 years
- B. Incentives given to the couples with small families
- C. Statutory ban on marriages
- D. Both a and b

Answer: B



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17. Saheli'-a new oral contraceptive for females was developed by the scientists at which institute ?

- A. AIIMS Delhi
- B. IICB, Kolkata
- C. SGPGI, Lucknow
- D. CDRI, Lucknow

Answer: D



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Section A Topicwise Questions Topic 2 Birth Control

1. A contraceptive method in which the male partner withdraws his penis from the vagina just before ejaculation as to avoid insemination, is called

A. Periodic abstinence

B. Coitus interruptus

C. Withdrawal method

D. Both b and c

Answer: D



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2. 'Nirodh' is a popular brand of

A. Contraceptive pill for the females

B. Emergency IUD for females

C. Condoms for females

D. Condoms for males

Answer: D



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3. Spemicidal creams, jellies and foams are usually used along with the barrier methods to

A. Increase their conception efficiency

B. Decrease their contraceptive efficiency

C. increase their contraceptive efficiency

D. Provide motility to sperms

Answer: C



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4. Diaphragms, cervical caps and vaults prevent conception by

- A. Increasing phagocytosis of sperms within uterus
- B. Suppressing sperm motility
- C. Inhibiting ovulation and implantation
- D. Blocking the entry of sperms through the cervix

Answer: D



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5. Find out the correct matching.

- A. Non-medicated IUDs-Lippes loop
- B. Copper releasing IUDs -CuT, Cu7 and LNG-20
- C. Hormone releasing IUDs-Progestasert and multilode 375
- D. All of the above

Answer: A



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6. Cu ions released from the copper releasing IUDs to

- a. Suppress sperm motility
- b. Make uterus unsuitable for implantation

c. Suppress fertilising capacity of sperms

d. Make cervix hostile to sperms

A. a and b

B. b and d

C. a and c

D. a, c, and d

Answer: C



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7. Which of the following is an ideal contraceptive for the females who want to delay pregnancy and / or space children

?

- A. Barrier method
- B. Intra Uterine Devices
- C. Oral Contraceptive Pills
- D. Surgical method

Answer: B



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8. Oral contraceptive pills have

- A. Progestogens alone
- B. Estrogen alone
- C. Progestogen-estrogen combination
- D. Either A or C

Answer: D



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9. Read the following statements and find out the incorrect statements.

- a. Barrier methods are available for both males and females.
- b. In barrier methods, ovum and sperms are prevented from physically meeting with the help of barriers.
- c. Condoms are made of thin rubber/latex sheath that are used to cover the penis in male or vagina and cervix in the female, just before coitus so that the ejaculated semen would not enter into the female reproductive tract.
- d. Both the male and the female condoms are reusable, can be self-inserted and thereby gives privacy to the user.
- e. Disphragms, cervical caps and vaults are barriers made of

rubber that are inserted into the female reproductive tract to cover cervix during coitus. These barriers are disposable.

- A. a and b
- B. b and c
- C. c and d
- D. d and e

Answer: D



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10. What are the characteristics of an ideal contraceptive?

- a. User-friendly
- b. Easily available
- c. Effective

d. Reversible

e. No or least side effects

r. No way to interfere with the sexual drive, desire and/ or the sexual act of the user.

Cheap

A. a, b, c, e and g

B. b, d, e and f

C. a, b, c, d, e and f

D. a, b, c, d, e, f and g

Answer: C



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11. Match the columns I and II, and chosen the correct combination from the options given.

Column I		Column II	
1.	Natural method	a.	Saheli
2.	Barrier method	b.	Tubectomy
3.	IUD	c.	Withdrawal
4.	Oral contraceptive	d.	Diaphragm
5.	Surgical method	e.	Progestasert

A. $d - 1, c - 2, e - 3, a - 4, b - 5$

B. $c - 1, d - 2, a - 3, b - 4, a - 5$

C. $e - 1, a - 2, b - 3, d - 4, c - 5$

D. $c - 1, d - 2, e - 3, a - 4, b - 5$

Answer: D



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12. Fill in the blank:

Oral contraceptive pills have to be taken daily for a period of ...

a... starting preferably within the first ...b... of menstrual cycle.

After a gap of ...c... days (during which menstruation occurs) it

has to be repeated in the same pattern till the female desires

to prevent conception.

A. a-25 days, b-7 days, c-5 days

B. a-21 days, b-5 days, c-7 days

C. a-21 days, b-7 days, c-7 days

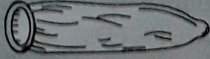


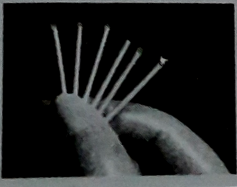
D. a-14 days, b-5 days, c-7 days

Answer: B



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13. Match the column I and II, and choose the correct combinatin from the options given.

Column I	Column II
a. 	1. Implants
b. 	2. Copper T (CuT)
c. 	3. Condom for female
d. 	4. Condom for male

A. a-3, b-4, c-1, d-2

B. a-4, b-3, c-1, d-2

C. a-3, b-4, c-2, d-1

D. a-4, b-3, c-2, d-1

Answer: D



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14. Implants under the skin and injections are also used as contraceptive device. These devices have

- A. Progesterone alone
- B. Estrogen alone
- C. Progestin-esrogen combination
- D. Either A or C

Answer: D



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15. Emergency contraceptives could be used to avoid possible pregnancy due to

- A. Casual unprotected intercourse
- B. Rape
- C. MTP
- D. Both a and b

Answer: D



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16. Which of the following is used as an emergency contraceptive ?

- A. Administration of progestogens

B. Administration of progestin-estrogen combination

C. IUDs

D. Any of the above

Answer: D



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17. In vasectomy, a small part of vas deferens is removed or tied up through a small incision on the

A. Abdomen

B. Scrotum

C. Testis

D. Either A or B

Answer: B



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18. In tubectomy, a small part of the fallopian tube is removed or tied up through

- A. Vagina
- B. Uterus
- C. A small incision in the abdomen
- D. Either A or C

Answer: D



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19. The contraceptive device which is highly effective but reversibility is very poor is

- A. Barrier method
- B. Surgical method
- C. IUDs
- D. Traditional method

Answer: B



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20. Progesterone present in contraceptive pill is meant for preventing :

- A. Checking ovulation

B. Preventing fertilisation

C. Preventing implantation of zygote

D. Preventing cleavage

Answer: A



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21. Tubectomy a method of population control is performed on

A. Both males and females

B. Males only

C. Females only

D. Only pregnant females

Answer: C



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22. Which of the following is mechanical barrier used in birth control ?

A. Copper T

B. Diaphragm

C. Loop

D. Dalcon shield

Answer: B



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23. Which one is safest method of birth control ?

- A. Termination of unwanted pregnancy
- B. Sterilisation techniques
- C. The rhythm method
- D. Use of physical barriers

Answer: B



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24. Purpose of tubectomy is to prevent

- A. Coitus
- B. Egg formation
- C. Fertilization

D. Embryonic development

Answer: C



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25. A contraceptive method in which the couples avoid or abstain from coitus from day 10 to 17 of the menstrual cycle when ovulation could be expected, is called

- A. Lactational amenorrhea
- B. Periodic abstinence
- C. Coitus interruptus
- D. Multiloal

Answer: B

26. Match the column I and II, and chose the correct combination from the options given.

Column I		Column II	
a.	Coitus interruptus	1.	Traditional method
b.	Condoms/vaults	2.	Barrier method
c.	Multiload—375	3.	Intrauterine device
d.	Vasectomy	4.	Sterilisation method

A. a-1, b-2, c-3, d-4

B. a-2, b-1, c-4, d-3

C. a-3, b-4, c-2, d-1

D. a-4, b-3, c-1, d-2

Answer: A

27. Oral contraceptives are used by females to check

- A. Implantation
- B. Fertilization
- C. Ovulation
- D. Entry of sperms in vagina

Answer: C



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28. The non-medicated IUD is :

- A. Copper T

B. Progestasert

C. Lppes loop

D. LNG-20

Answer: C



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29. Most effective contraceptive method for ladies is :

A. Rhythm method

B. CUP

C. MTP

D. Cu-T

Answer: D



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30. Saheli, a new oral contraceptive for the females developed by Indian scientist is a:

- A. Steroidal preparation
- B. Hormonal preparation
- C. Non-steroidal preparation
- D. Toxic preparation to kill sperms

Answer: C



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31. Saheli is

- A. Oral female contraceptive
- B. Surgical sterilisation for females
- C. Diaphragm for females
- D. Diaphragm for males

Answer: A



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32. Time for conception chance in women starting from day to menstruation

- A. 4 th day
- B. 14 th day
- C. 26 th day

D. 1 st day

Answer: B

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33. Match the columns and select the correct option.

Column-I		Column-II	
(a)	Chemical	p.	Tubectomy and Vasectomy
(b)	IUDs	q.	Copper T and Loop
(c)	Barriers	r.	Condom and Cervical cap
(d)	Sterilization	s.	Spermicidal jelly and foam
		t.	Coitus interruptus

A. a-p, b-r, c-q, d-t

B. a-s, b-t, c-q, d-r

C. a-s, b-q, c-t, d-p

D. a-s, b-q, c-r, d-p

Answer: D



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34. Vasectomy prevents

- A. Male erection
- B. production of semen
- C. Production of sperms in testes
- D. Movement of sperm into urethra

Answer: D



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Section A Topicwise Questions Topic 3 Medical Termination Of Pregnancy Mtp

1. Intentional or voluntary termination of pregnancy before full term is called

- A. MTP
- B. STD
- C. Induced abortion
- D. Both A and B

Answer: D



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2. Nearly ...a.... Milion MPTs are performed in a year all over the world which accounts tob....., ot the total number of conceived pregnancies in a year.

- A. a-40 to 50, b-1/4th
- B. a-40, to 50, b-1/5th
- C. a-45 to 50, b-1/4th
- D. a-45to 50,b-1/5th

Answer: D



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3. Government of India legalised MTP in the year

- A. 1951

B. 1971

C. 1981

D. 1992

Answer: B



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4. In which of the following condition, MTP is performed legally ?

- a. To get rid of unwanted pregnancy due to casual unprotected intercourse.
- b. To get rid of unwanted pregnancy due to failure of the contraceptive used during coitus or rapes.
- c. Where the continuation of the pregnancy could be harmful

or even fatal to the foetus or both.

d. To get rid of pregnancy as the foetus is found to be female.

A. a and b

B. b and c

C. a, b and c

D. a, b, c, and d

Answer: C



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5. Amniocentesis is employed for determining

A. Cardiac ailments of embryo

B. Hereditary abnormality in embryo

C. Errors in amino acid metabolism in embryo

D. All of the above

Answer: B



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6. Amniocentesis involves analysis of

A. Amnion

B. Body fluids of amniotes

C. Amniotic fluid

D. Amino acids of protein

Answer: C



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Section A Topicwise Questions Topic 4 Sexually Transmitted Diseases Stds

1. Hepatitis-B and HIV can be transmitted from one person to other by

- A. Sharing of injection needles, surgical instruments, etc., with infected person
- B. Transfusion of blood
- C. From infected mother of the foetus
- D. All of the above

Answer: D



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2. Early symptoms of the most of the STDs are

- a. Itching in pelvic region
- b. Fluid discharge in pelvic region
- c. Slight pain on pelvic region
- d. Swelling in pelvic region
- e. Pelvic inflammatory disease (PID)
- f. Still births

A. a, b, and c

B. a, b, c, and d

C. a, b, c, d and e

D. All of the above

Answer: B



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3. The sexually transmitted infection, that can affect both the male and female genitals and may damage the eyes of babies born of infected mothers is

- A. Syphilis
- B. Gnorreha
- C. Hepatitis
- D. AIDS.

Answer: B



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4. Through all persons are vulnerable to STDs, their incidences are reported to be very high among persons in the age group of

- A. 12-18 years
- B. 18-21 years
- C. 21-35 years
- D. 15-24 years

Answer: D



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5. A person could be free of STDs by

- A. Avoiding sex with unknown partners multiple partners

B. Always using condoms during coitus

C. In case of doubt, person should go to a qualified doctor for early detection and get complete treatment if diagnosed with disease

D. All of the above

Answer: D



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6. The complication of the STDs includes

a. PID

b. Abortions

c. Still birth

d. Ectopic pregnancies

e. Infertility

f. Cancer of reproductive tract

A. a, b, c and d

B. a, b, c, and e

C. b, c, d, e and f

D. All of the above

Answer: D



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7. Diseases or infections which are transmitted through sexual intercourse are called

A. Sexually transmitted diseases (STDs)

B. Venereal diseases (VD)

C. Reproductive tract infections (RT)

D. All of the above

Answer: D



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8. Inability to conceive or produce children even after 2 years of unprotected sexual cohabitation is called

A. Sexuality

B. ART

C. Fertility

D. Infertility

Answer: D



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9. The reason of the infertility could be

- A. Physical or psychological
- B. Congenital or immunological
- C. Drugs or diseases
- D. All of the above

Answer: D



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10. In India often the female is blamed for the couple being childless, but more often than not the problem lies in the

- A. Male partner
- B. Female partner
- C. Both male and female partner
- D. Doctor

Answer: A



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11. Specialized health care units that help in diagnosis and corrective treatment of disorders and enable infertile couples to have children, are called

A. Assisted reproductive technologies

B. IUT

C. RTI

D. Infertility clinics

Answer: D



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12. When the correction of infertility is not possible in infertility clinics then the couples could be assisted to have children through certain special techniques commonly called as

A. RCH

B. ART

C. MTP

D. RTI

Answer: B



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13. The technique to assist those females who cannot conceive, includes

A. IVF followed by embryo transfer

B. In-vivo fertilization followed by embryo transfer

C. Gamete intra fallopian transfer

D. Intral uterine insemination

Answer: B



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14. Female who cannot produce ovum, but can provide suitable environment for fertilisation and further development, could be assisted by

- A. ZIFT
- B. GIFT
- C. ICSI
- D. IUI

Answer: B



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15. Infertility cases either due to inability to the male partner to inseminate the female or due to very low sperm counts in the ejaculates, could be corrected by

A. AI

B. ICSI

C. IUT

D. ZIFT

Answer: A



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16. IVF followed by ET is called

A. Family planing programme

B. RCH planing programme

C. RTI

D. Test tube body programme

Answer: D



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

A. Embryo at two-blastomere stage

B. Morula

C. Zygote

D. Embryo at four blastomere stage.

Answer: B



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18. Donar semen is introduced into uterus through

- A. Intrauterine transfer (IUT)
- B. Intrauterine insemination (IUT)
- C. Gamete intrafallopian transfer (GIFT)
- D. Intracytoplasmic sperm injection (ICSI)

Answer: B



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19. Which of the following statement is wrong ?

- A. Test tube baby begins growth inside test tube
- B. Test tube baby grows within mother's womb
- C. Test tube baby grows within surrogate mother's womb
- D. Test tube baby grows following uterine fertilization

Answer: D



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20. In which "assisted reproductive technology" (ART), test tube baby procedure is applied ?

- A. Gamete intrafallopian transfer

- B. Intracytoplasmic sperm injection
- C. In vitro fertilization and embryo transfer
- D. Zygote intrafallopian transfer

Answer: C



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21. In which ART technique, the semen is artificially introduced into the female ?

- A. ET
- B. IUI
- C. IUT
- D. GIFT

Answer: B



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22. Which is wrongly matched ?

- A. ICSI-Sperm directly injected into ovum
- B. ICSI-Speerm introduced artificially into ovum
- C. GIFT-Embryo with more than 8 blastomeres transferred into fallopian tube
- D. IVF-Fertilization outside the body

Answer: C



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23. ZIFT is transfer of

- A. Zygote into Fallopian tube
- B. Embryo into uterus
- C. Mixture of sperm and ova into fallopian tube
- D. Mixture of sperms and ova into uterus

Answer: A



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24. In assisted reproductive and ova technology after in vitro fertilization what is transplanted in fallopian tube

- A. Blastula is transplanted
- B. Only zygote is transplanted

C. Morula in 8-24 celled stage is transplanted

D. Embryo upto 8 blastomeres, if zygote is not transplanted

Answer: D



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25. Read the following statements and find out the incorrect statements.

- a. Surgical method of contraception prevent gamete formation
- b. All sexual transmitted diseases are completely curble
- c. Oral pills are very popular contraceptive smong the rular women
- d. In E. T. techniques, embryos are always transferred into the uterus

A. a and c

B. b and d

C. b, c, and d

D. a, b, c and d

Answer: D



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Section B Assertion Reasoning Questions

1. Assertion: Statutory ban on amniocentesis for sex determination is to legally check increasing female foeticides and massive child immunization.

Reason: Indiscriminated and illegal female foeticides are reported to be high in India.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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2. Assertion: Every sixth person in the world is an Indian.

Reason: Through our RCH programmes, through we could

bring when the population growth rate, it was only marginal.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: B



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3. Assertion: Alarming growth rate of India could lead to an absolute scarcity of even the basic requirements, i.e., food, shelter and clothing, in spite of significant progress made in

those areas.

Reason Many coupes, mostly the young, urban, working oones have even adopted a one child norm.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: B



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4. Assertion: In traditional/natural method, side effects are almost nil, through chances of failure in this method are also high

Reason: No medicines or devices are used in the traditional method.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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5. Assertion : From day 10 to 17 of the menstrual cycle is called fertile period.

Reason : As chances of fertilisation are very high during this period.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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6. Assertion: Natural method includes periodic abstinence, coitus interruptus (withdrawal) and lactational amenorrhea.

Reason: Nature method work on the principle of avoiding chances of ovum and sperms meeting.

A. If both assertion and reason are true and the reason is the correct explanation of the assertion.

B. If both assertion and reason are true but reason is not the correct explanation of the assertion.

C. If assertion is true but reason is false.

D. If both assertion and reason are false.

Answer: B



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7. Assertion: Use of condoms has increased in recent years.

Reason: Condoms provides additional benefit of protecting the user from contracting STDs and AIDS.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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8. Assertion: Oral contraceptives are popularly called as pills.

Reason: Oral contraceptives are used in the form of tablets.

A. If both assertion and reason are true and the reason is the correct explanation of the assertion.

B. If both assertion and reason are true but reason is not the correct explanation of the assertion.

C. If assertion is true but reason is false.

D. If both assertion and reason are false.

Answer: A



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9. Assertion: Pills are less effective with more side effects and are less accepted by females.

Reason: Implants are generally advised for the male/female partner as a terminal method to prevent any more pregnancies.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: D



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10. Assertion: Mode of action of pills and implants/injectables is similar.

Reason: The effective period of pills is much longer as compared to implants/injectables.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: C



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11. Assertion: Surgical method prevent conception.

Reason: Surgical intervention block gamete transport.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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12. Assertion: The widespread use of the various contraceptive methods have a significant role in checking uncontrolled growth of population.

Reason: The possible ill-effects of the contraceptive devices like nausea, abdominal pain, breakthrough bleeding, irregular menstrual bleeding or even breast cancer, though not very significant, should be totally ignored.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: B



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13. Assertion: MTP has a significant role in decreasing the population.

Reason: MTP is a contraceptive device.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: C



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14. Assertion: Among STDs, HIV infection is most dangerous and fatal.

Reason: Except for hepatitis-B, genital herpes and HIV infections other STDs are preventable.

A. If both assertion and reason are true and the reason is the correct explanation of the assertion.

B. If both assertion and reason are true but reason is not the correct explanation of the assertion.

C. If assertion is true but reason is false.

D. If both assertion and reason are false.

Answer: C



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15. Assertino: Female infected with STDs remain undetected for long.

Reason: Infected females may often be asymptomatic.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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16. Assertion: Prevention or early detection and cure of STDs are given prime consideration under the RCH programmes

Reason: STDs are a major threat to a healthy society.

- A. If both assertion and reason are true and the reason is the correct explanation of the assertion.
- B. If both assertion and reason are true but reason is not the correct explanation of the assertion.
- C. If assertion is true but reason is false.
- D. If both assertion and reason are false.

Answer: A



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Section D Chapter End Test

1. Ageing of skin results in

- A. Thickening of skin
- B. Increase in toe-nail growth
- C. Increase in collagen and elastin fibres
- D. Decrease in activity of sebaceous glands

Answer: D



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2. According to which theory is the given statement correct ?

Statement. B and T cells having receptors for self antigens, undergo programmed cell death

- A. Somatic mutation theory
- B. Programmed senescence theory
- C. Wear and tear theory
- D. Immunological theory

Answer: B



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3. It is not related to replacement of degenerated red blood cells by new ones

- A. Growth through undifferentiated cells
- B. Growth through reserved cells
- C. Multiplication growth
- D. Accretionary growth

Answer: C



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4. Branch of biology dealing with ageing is

- A. Kalology
- B. Dermatology
- C. Gerontology
- D. Psychobiology

Answer: C



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5. Protein which plays a significant role in ageing is

A. Myosin

B. Collagen

C. Elastin

D. Actin

Answer: C



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6. Maximum growth rate occur in

A. Stationary phase

B. Lag phase

C. Exponential phase

D. Senescent phase

Answer: C



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7. Which is the correct example of the type of regeneration out of two major types ?

A. Morphallaxis-Healing of wound in the skin

- B. Epimorphosis-Replacement of old and dead erythrocytes by the new ones
- C. Morphallaxis-Regeneration of two transversely cut equal pieces of one Hydra into two small Hydras
- D. Epimorphosis-Regeneration of crushed and filtered out pieces of Planaria into as many new planarians

Answer: C



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8. Programmed cell death is

- A. Autotomy
- B. Cell lysis

C. Apoptosis

D. None of the above.

Answer: C



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9. Reserve cells are

A. Differentiated with no capacity of cell division

B. Differentiated with capacity of cell division

C. Undifferentiated with capacity of cell division

D. Undifferentiated with no capacity of cell division

Answer: C



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10. A gradual decrease in size of tail during metamorphosis of frog is due to

- A. Cell necrosis
- B. Pinocytic gland
- C. Programmed cell death
- D. Cell senescence

Answer: C



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11. Ageing starts with disappearance of

A. Spleen

B. Pituitary gland

C. Thymus gland

D. Parathyroid gland

Answer: C



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12. Axolotl larva shows i. Neoteny and paedogenesis ii. Absence of thyroxine affects metamorphosis iii. It is hemichordata

A. iii correct

B. ii, and iii correct

C. I and ii correct

D. I, ii nad iii correct

Answer: C

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13. One of the major reasons for apoptosis is

- A. Lack of polymerases
- B. Activity of endonucleases
- C. Activity of mitochondria
- D. Reduced food intake

Answer: D

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14. In can regenerate entire alimentary canal

A. Fish

B. Amphibian

C. Bird

D. Sea Cucumber

Answer: D



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15. Growth through increase in volume is

A. Cartilage

B. Striated muscle

C. Nerve fiber

D. Lens of eye

Answer: B



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16. Ageing is due to accumulation of harmful proteins . The theory is

A. Free radical

B. Corss-linking

C. Error catastrophe

D. Wear and Tear

Answer: C



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17. Free radicals are formed through

- A. Oxidation
- B. Reduction
- C. Hydrolysis
- D. Synthesis

Answer: A



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18. Read the statement and find out true/false

(a) Type of regeneration in Hydra is known as epimorphosis

(b) Members of reptiles such as lizards exhibit autotomy

(c) Regeneration of limb in amphibians involves morphallaxis

A. a and b are false but c is true

B. a and c are false but b is true

C. b and c false but a is true

D. b and c are true but a is false

Answer: B



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19. With the advancement of age, hair of males start thinning due to

A. Falling of hair

B. Low ATP formation

C. Reduced rate of protein synthesis

D. None of the above.

Answer: C



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20. The greatest ability of regeneration amongst the animals is found in

A. Planaria

B. Pheretima

C. Hirudinaria

D. Ascaris

Answer: A



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21. Which one is not a case of epimorphosis ?

- A. Replacement of limb in Salamander
- B. Formation of sperms for small clump of cells
- C. Replecement of severed arm of Star Fish
- D. Regeneration of tail by lizard

Answer: B



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22. Formation of whole body from a fragment is

- A. Morphallaxis
- B. Epimorphosis
- C. Epigenesis
- D. Auxetic growth.

Answer: A



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23. In animals, chalones are substances responsible for

- A. Regeneration
- B. Ageing

C. Deveolopment

D. Parthenogenesis

Answer: B



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24. Most accepted theory of ageing is

A. Death of brain cells

B. Non-functioning of α -cells in pancreas

C. Less RBC in blood

D. Non-functioning of thymus gland

Answer: D



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25. Growth rate in childhood is controlled by

- A. Thymosin
- B. Thyroxine
- C. Oestrogen
- D. Progeesterone

Answer: A



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26. During regeneration, modification of an organ to another is known as

- A. Morphogenesis
- B. Epimorphosis
- C. Morphallaxis
- D. Accertionary growth.

Answer: C



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27. Regeneration of Hydra is

- A. Morphallaxis by interstitial cells
- B. Epimorphosis by intestinal cells
- C. Epimorphosis by archaeocytes
- D. Epimorphosis by glandular cells

Answer: A



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28. Evisceration is found in

A. Annelida

B. Echinodermata

C. Chordata

D. Coelenterata

Answer: B



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29. Characteristic autotomy occurs in

- A. Annelida
- B. Echinodermata
- C. Chordata
- D. Coelenterata

Answer: C



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30. According to immunity theory, ageing is due to

- A. Accumulation of errors
- B. Reduced functioning of endocrine glands

C. Degeneration of thymus

D. Accumulation of waste products

Answer: C



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31. Auxetic growth occurs in

A. Human beings

B. Frog

C. Nematodes

D. Lizards

Answer: C



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32. Auxetic growth is characterised by

- A. Increase in cell volume only
- B. Increase in cell number only
- C. Increase in fatty tissue
- D. Increase in intercellular material

Answer: A



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33. The ability of animals to regenerate lost parts was first reported by

A. Trembley

B. P. R. White

C. Steward

D. Harrison

Answer: A



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34. Study of formation, growth and development of new individual from an egg is

A. Apromixis

B. Embroyology

C. Embryogeny

D. Cytology.

Answer: B

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35. Growth hormone activity

A. Unaffected by thyroxine

B. Increased by thyroxine

C. Decreased by thyroxine

D. None of the above.

Answer: B

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36. In an ageing person ,there is a

- A. Increase in mucopolysacharide cement of connective tissue
- B. Grandual alteration in components of connective tissue
- C. Indcreasing collage rigidity of connective tissue
- D. Both b and c

Answer: D



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37. In ectopic pregancny, foetus grows in

- A. Vagina

B. Fallopian tube

C. Uterus

D. Body cavity

Answer: B



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38. Which is 'once a week' pill?

A. Saheli

B. Mala-D

C. Mala-N

D. Both a and c

Answer: A



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

- A. Diaphragm
- B. Lippe's loop
- C. Cervical cap
- D. Vault

Answer: B



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40. Copper-T/loop prevents:

- A. Fertilisation
- B. Ovulation
- C. Zygote formation
- D. Cleavage

Answer: A



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41. A method of sterilisation is

- A. IUD
- B. Diaphragm
- C. Vasectomy
- D. Loop

Answer: C



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42. Oral contraceptive is composed of

- A. Estrogen and growth hormone
- B. Estrogen and progesterone
- C. Estrogen and testosterone
- D. progesterone and testosterone

Answer: B



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43. Which is related to males ?

- A. Oral pill
- B. Tubectomy
- C. Vasectomy
- D. None of the above.

Answer: C



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44. In Assisted Reproductive Technology , the method in which a sperm is directly injected into the ovum is called :

- A. GIFT

B. IUI

C. ZIFT

D. ICSI

Answer: D



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45. Most important component of oral contraceptive is :

A. Thyroxine

B. LH

C. Progesterone

D. GH

Answer: C



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46. At 1.7 per cent growth rate, our population could

- A. Double in 17 years
- B. Triple in 33 years
- C. Double in 33 years
- D. Double in 50 years

Answer: C



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47. a factual sex determination test based on the chromosomal pattern in the amniotic fluid surrounding the developing

embryo is called

- A. Amniocentis
- B. Sterilisation
- C. Conception
- D. Amniocentesis

Answer: D



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48. IVF involves transfer into fallopian tube of

- A. Zygote or embryo upto 8-celled stage
- B. 32-celled stage
- C. Zygote only

D. Embryo only upon 8-celled stage

Answer: A



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49. Copper IUDs

A. Prevent ovulation

B. Increases phagocytosis of sperms

C. Suppress sperm motility

D. Make uterus unsuitable for implantation

Answer: C



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50. Which one of the following cannot be considered as Assisted Reproductive Technology (ART) ?

- A. In vitro fertilization (IVF)
- B. Medical termination of pregnancy (MPT)
- C. Gamete intrafallopian transfer (GIFT)
- D. Intercytoplasmic sperm injection (ICSI)

Answer: B



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Others

1. Regeneration of liver is

- A. Epimorphosis
- B. Reparative regeneration
- C. Metamorphosis
- D. Morphogenesis

Answer: B



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2. In the human female , menstruation can be referred by the administration of :-

- A. FSH and LH
- B. Estrogen and progesterone
- C. FSH only

D. LH only

Answer: B



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3. Select the correct combination about contraceptives.

	Column I		Column II
(a)	Pill	(i)	Prevents sperm reaching cervix
(b)	Condom	(ii)	Prevents implantation
(c)	Vasectomy	(iii)	Prevents ovulation
(d)	Copper-T	(iv)	Semen contains no sperm

A. $a - iii, b - iv, c - iv, d - ii$

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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4. Which of the following two statements are correct ?

- (i) Medical termination of pregnancy (MTP) during first trimester is generally safe
- (ii) Generally chances of conception are nil until mother breast-feeds the infant upto two years
- (iii) Intrauterine devices like copper-T are effective contraceptives
- (iv) Contraception pills may be taken upto one week after coitus to prevent conception.

A. a, c

B. a, b

C. b, c

D. c, d

Answer: A



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

A. Diaphragm

B. Cervical caps

C. IUDs

D. Tubectomy

Answer: C



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6. If for some reason, the vasa efferentia in the human reproductive system get blocked, the gametes will not be transported from

- A. Ovary to uterus
- B. Vagina to uterus
- C. Testis to epididymis
- D. Epididymis to vas deferens

Answer: C



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7. MPT is considered safe to how many weeks of pregnancy

A. Six

B. Eight

C. Twelve

D. Eighteen

Answer: C



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8. The technique of GIFT (gamete intrafallopian transfer) is recommended for those females

A. Who cannot produce an ovum

B. Who cannot retain foetus inside uterus

C. Who cannot provide suitable environment for fertilization

D. Whose cervical canal is so narrow to allow passage for sperms

Answer: A

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9. Assertion: Amniocentesis is banned.

Reason: Amniocentesis gives information about foetal abnormalities.

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10. Urinogential tract infection is males accompanied by yellow discharge, burning feeling on passing urine, fever and headache is

- A. AIDS
- B. Gonorrhoea
- C. Hepatitis B
- D. Syphilis

Answer: B



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11. Which once of are all sexually transmitted diseases?

- A. AIDS, Syphilis, Cholera

B. Trichomoniasis, Malaria, HIV

C. Gonorrhoea, Hepatitis-B, Chlamydia

D. Hepatitis-B, AIDS, Haemophilia

Answer: C



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12. A copper releasing IUD is

A. Multiload 375

B. LNG-20

C. Seheli

D. Diaphragm

Answer: A



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

- A. Zygote intrafallopian transfer
- B. Intrauterine insemination
- C. Gamete intrafallopian transfer
- D. Intracytoplasmic sperm injection

Answer: A



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14. 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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15. Artificial insemination means

- A. Artificial introduction of sperms of a health donor into the vagina

B. Introduction of sperms of health donor directly into the ovary

C. Tranfer of sperms of a healthy donor to a test tube containing ova

D. Transfer of sperms of husban to a test tube containing ova

Answer: A



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16. Induced abortion is

A. IUD

B. PID

C. MTP

D. STD

Answer: C



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17. Which contraceptive device makes uterus unsuitable for implantation

A. Progestasert

B. CuT

C. Lipp's loop

D. Multiload

Answer: A



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18. CuT,LNG-20and Cu7 are examples of

- A. Contraceptive pills
- B. Surgical methods of sterilization
- C. Assisted reproductive technology
- D. Intrauterine device

Answer: D



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19. Which is not a sexually transmitted disease ?

A. Genital warts

B. Trichomoniasis

C. Chlamydia

D. Syphilis

Answer: D



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20. Given below are assertion and reason point out if both true with reason being correct explanation (A) both are true but reason is not correct explanation (B), assertion is true but reason is wrong (C) and both are wrong (D)

Assertion :- Periodic abstinence is a natural method where couples abstain from coitus

Reason:- coitus from days 5-10 should be avoided because this is the time of ovulation



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21. Assisted reproductive to 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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22. Tubectomy is a method of sterilization in which :

- A. Uterus a 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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23. Which of the following is a hormone releasing Intra Uterine Device (IUD)

- A. Vault

B. Mutatiloalad-375

C. LNG-20

D. Cervical cap

Answer: C



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24. IUDs which are used by females :

A. Act as spermicidal gel

B. Block the entry of sperms into vagina

C. Are implanted under skin where they release
progestogen and estrogen

D. Release copper ions in the uterus that increase phagocytosis of sperms

Answer: D



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25. Ectopic pregnancies are referred to as

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

Answer: A



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

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

Answer: A



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27. Which of the following is not a sexually transmitted disease ?

A. Trichomoniasis

B. Encephalitis

C. Syphilis

D. Acquired Immuno Deficiency Syndrome (AIDS)

Answer: B



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28. Which of the following viruses is not transferred through semen of an infected male

A. Chickungunya virus

B. Ebola virus

C. Hepatitis B virus

D. Human immunodeficiency virus

Answer: A

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29. The hormone releasing intrauterine devices such as Progestasert specifically

- A. Suppress sperm motility
- B. Increase phagocytosis of sperms
- C. Make uterus unsuitable for implantation
- D. Suppress fertilizing capacity of sperms

Answer: C

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30. Transmission of sexually transmitted disease like syphilis can be prevented by

- A. Medical termination of pregnancy
- B. Undergoing tubectomy
- C. Use of the correct dose of a good birth control pill
- D. Complete abstinence from coitus.

Answer: D



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31. Gamete intra fallopian transfer (GIFT) means

- A. Fertilization of ovum by sperm injection and transfer to uterus
- B. Transfer to ovum into fallopian tube to another female for normal fertilization
- C. Artificial transfer of sperms into vagina for fertilization
- D. Transfer of embryo with more than eight blastomeres to fallopian tube

Answer: B



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

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

Answer: B



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

- A. It can be used for detection of Down syndrome.
- B. It can be used for detection of Cleft palate.
- C. It is usually done when a women is between 14 – 16 weeks pregnant.
- D. It is used for prenatal sex determination.

Answer: B



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34. Which of the following is hormone releasing IUD ?

- A. Lippes loop
- B. Cu7
- C. LNG-20

Answer: C

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35. Which of the following is correct regarding AIDS causative agent HIV

- A. HIV is unenveloped reterovirus
- B. HIV does not escape but attacks the acquired immune response
- C. HIV is enveloped iirus containing one molecule of single-stranded RNS and one molecule of revers e transcriptase

D. HIV is enveloped virus that contains two identical molecules of single stranded RNA and two molecules of reverse transcriptase

Answer: D



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

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

Answer: D



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37. 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 falopian transfer
- B. Artificial Insemination
- C. Intacytoplasmic sperm injection
- D. Intrauterine transfer

Answer: B



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38. The contraceptive 'SAHELI'

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

Answer: B



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39. Which is the correct example of the type of regeneration out of two major types ?

- A. Morphallaxis-Regeneration of two transversely cut equal pieces of a Hydra into two small Hydras.
- B. Epimorphosis -Replacement of old and dead erythrocytes by the new ones.
- C. Morphallaxis -Healing up of a wound in the skin.
- D. Epimorphosis -Regeneration of crushed and filtered out pieces of a planaria into as many new planarians.

Answer: A



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40. GIFT is

- A. transfer of a sperm in fallopain tube of a female with the help of injections
- B. transfer of a zygote fertilized in vitro in the fallopian tube of female incapable to conceive
- C. transfer of an ovum collected from a donar into another females fallopain tube who cannot produce an ovum but can provide a good environment for further development
- D. embryo is developed in vitro and then transferred into female's tract

Answer: C



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41. What is the function of copper-T

- A. Checks mutation
- B. Stops fertilization
- C. Stops zygote formation
- D. Stops obliteration of blastocoel

Answer: B



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42. Progestasert and LNG-20 are

- A. Implants
- B. Copper releasing IUDs

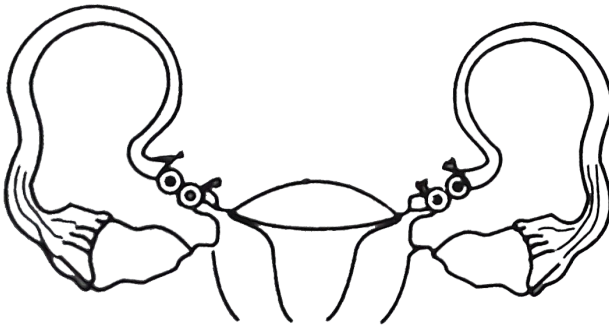
C. Non-medicated IUDs

D. Hormone releasing IUDs

Answer: D

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



A. Ovarian cancer

B. Uterine cancer

C. Tubectomy

D. Vasectomy

Answer: C



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44. Amniocentesis is a process to

A. determine any hereditary disease in the embryo

B. Determine any disease in heart

C. Know about the disease of brain

D. All of the above

Answer: A



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45. Assertion: Old age is not an illness. It is a normal continuation of life with decreasing capacity for adaptation.

Reason: Cessation of mitosis is a normal genetically programmed event.

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: C



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46. Assertion . Senescence is the time when age associated defects are manifested

Reason . Certain genes may be undergoing sequential switching on and off during one's life

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: A



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47. Assertion: Cu-T and Cu-7 do not suppress sperm motility.

Reason: Hormones released by them affect sperm motility.

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: C



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48. Assertion: Copper-T is an effective contraceptive device in human females.

Reason: Copper-T prevents passage of sperms from vagina upwards into fallopian tubes.

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: C



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49. Assertion: HIV infection can be avoided by use of condoms.

Reason: Condoms secrete anti-viral interferons.

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: C



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50. Assertion : Foetal disorders can be diagnosed by chorionic villi sampling .

Reason : Karyotyping cells be done by mitotically dividing cells of chorionic villi

- 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 the assertion is true but reason is false.
- D. If both the assertion and reason are false.

Answer: A



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