

ULTIMATE KCET CRASH COURSE 2026

ZOOLOGY

DPP: 1

REPRODUCTIVE HEALTH

- Q1** Choose the correct statement regarding the ZIFT procedure:
- (A) Ova collected from a female donor are transferred to the fallopian tube to facilitate zygote formation.
 - (B) Zygote is collected from a female donor and transferred to the fallopian tube.
 - (C) Zygote is collected from a female donor and transferred to the uterus.
 - (D) Ova collected from a female donor and transferred to the uterus.
- Q2** Which of the following viruses is not transferred through semen of an infected male?
- (A) Chikungunya virus
 - (B) Ebola virus
 - (C) Hepatitis B virus
 - (D) Human immunodeficiency virus
- Q3** Use of spermicidal creams leads to
- (A) increase in contraceptive efficiency
 - (B) prevention of ovulation
 - (C) prevention of implantation
 - (D) increase in sexual desire and drive
- Q4** **Assertion:** Periodic abstinence is a natural method where couples abstain from coitus.
Reason: Coitus from day 5-10 should be avoided because this is the time of ovulation.
- (A) Both Assertion (A) and Reason (R) are the true, and Reason (R) is a correct explanation of Assertion (A).
 - (B) Both Assertion (A) and Reason (R) are the true, but Reason (R) is not a correct explanation of Assertion (A).
 - (C) Assertion (A) is true, and Reason (R) is false.
 - (D) Assertion (A) is false, and Reason (R) is true.
- Q5** Under what name is family planning currently popular?
- (A) Family and child care
 - (B) Reproductive and child care
 - (C) Reproductive and child health care
 - (D) Reproductive and child health
- Q6** Which of the following is a hormone releasing Intra Uterine Device (IUD)?
- (A) Multiload 375
 - (B) LNG - 20
 - (C) Cervical cap
 - (D) Vault
- Q7** A childless couple can be assisted to have a child through a technique called GIFT. The full form of this technique is
- (A) Gamete Internal Fertilisation and Transfer
 - (B) Germ cell Internal Fallopian Transfer
 - (C) Gamete Inseminated Fallopian Transfer
 - (D) Gamete Intra Fallopian Transfer
- Q8** Primary steps that can be taken towards attaining reproductive health are:
- I. counselling and creating awareness about reproductive organs.
 - II. educating people about safe and hygienic sexual practices.
 - III. creating awareness about STDs.
 - IV. educating people about adolescence and related changes.
- Choose the most appropriate answer from the options given below:
- (A) I and II only
 - (B) II and III only
 - (C) I, II and III only
 - (D) I, II, III and IV



- Q9** To attain a total reproductive health as a social goal, which program is launched by the Indian government in 1951?
(A) Child health care program
(B) Reproductive health program
(C) Reproductive health for family
(D) Family planning
- Q10** Which one of the following is the most widely accepted method of contraception in India at present ?
(A) Cervical caps
(B) Tubectomy
(C) Diaphragms
(D) IUDs (Intra uterine devices)
- Q11** Decreased IMR and decreased MMR in a population will
(A) cause rapid increase in growth rate
(B) result in decline in growth rate
(C) not cause significant change in growth rate
(D) result in an explosive population
- Q12** 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
- Q13** The technique called Gamete Intra Fallopian Transfer (GIFT) is recommended for those females
(A) who cannot produce an ovum
(B) who cannot retain the foetus inside uterus
(C) whose cervical canal is too narrow to allow passage for the sperms
(D) who cannot provide suitable environment for fertilization.
- Q14** In which of the following techniques, the embryos are transferred to assist those females who cannot conceive?
(A) ZIFT and IUT
(B) GIFT and ZIFT
(C) ICSI and ZIFT
(D) GIFT and ICSI
- Q15** 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.
- Q16** Assertion : Saheli is an oral contraceptive pill for females containing nonsteroidal preparation.
Reason : It is 'once in a day' pill with very few effects.
(A) Assertion and reason both are correct statements and reason is correct explanation for assertion.
(B) Assertion and reason both are correct statements but reason is not correct explanation for assertion.
(C) Assertion is correct statement but reason is wrong statement.
(D) Assertion is wrong statement but reason is correct statement.
- Q17** In context of amniocentesis, which of the following statements is INCORRECT?
(A) Usually done when the woman is between 14-16 weeks pregnant
(B) Can be used to detect Down Syndrome
(C) Can be used for prenatal sex determination
(D) Can be used for the detection of cleft palate



Q18 Match **List-I** with **List-II**.

List-I		List-II	
(A)	Coitus interruptus	(I)	Traditional method
(B)	Condoms	(II)	Barrier method
(C)	Tubectomy	(III)	Intrauterine device
(D)	Cu7	(IV)	Sterilisation method

Choose the **correct** answer from the options given below:

- (A) A-I, B-II, C-IV, D-III
- (B) A-II, B-III, C-IV, D-I
- (C) A-IV, B-III, C-II, D-I
- (D) A-IV, B-I, C-III, D-II

Q19 Given below are two statements:

Statement I: Nearly 45 to 50 million MTPs are performed in a year all over the world.

Statement II: MTPs are considered relatively safe during the 3rd trimester.

In the light of the above statements, choose the *most appropriate* answer from the options given below:

- (A) Statement I is correct but Statement II is incorrect.
- (B) Statement I is incorrect but Statement II is correct.
- (C) Both Statement I and Statement II are correct.
- (D) Both Statement I and Statement II are incorrect.

Q20 The zygote or early embryos (with upto 8 blastomeres) could then be transferred into the ___X___ and embryos with more than 8 blastomeres, into the ___Y___ to complete its further development.

	X	Y
(1)	fallopian tube	uterus
(2)	uterus	fallopian tube
(3)	fallopian tube	ovaries
(4)	ovaries	uterus

- (A) fallopian tube uterus
- (B) uterus fallopian tube
- (C) fallopian tube ovaries
- (D) ovaries uterus

Q21 One of the following is not a method of contraception. Which one?

- (A) Condoms
- (B) Pills of a combination of oxytocin and vasopressin
- (C) Lippes loop
- (D) Tubectomy

Q22 The method of directly injecting a sperm into ovum in assisted reproductive technology is called

- (A) GIFT
- (B) ZIFT
- (C) ICSI
- (D) ET

Q23 Match the following sexually transmitted diseases (column I) with their causative agent (column II) and select the correct option.

Column I

Column II

- A. Gonorrhoea (i) HIV
- B. Syphilis (ii) Neisseria
- C. Genital warts (iii) Treponema
- D. AIDS (iv) Human papilloma virus

- (A) A B C D (iii) (iv) (i) (ii)
- (B) (iv) (ii) (iii) (i)
- (C) (iv) (iii) (ii) (i)
- (D) (ii) (iii) (iv) (i)

Q24 **Statement I:** RCH creates awareness among peoples about various reproduction related aspects.

Statement II: RCH provides facilities and support for building up a reproductively healthy society.

- (A) Statement I and Statement II both are correct.
- (B) Statement I is correct, but Statement II is incorrect.
- (C) Statement I is incorrect, but Statement II is correct.
- (D) Statement I and Statement II both are incorrect.



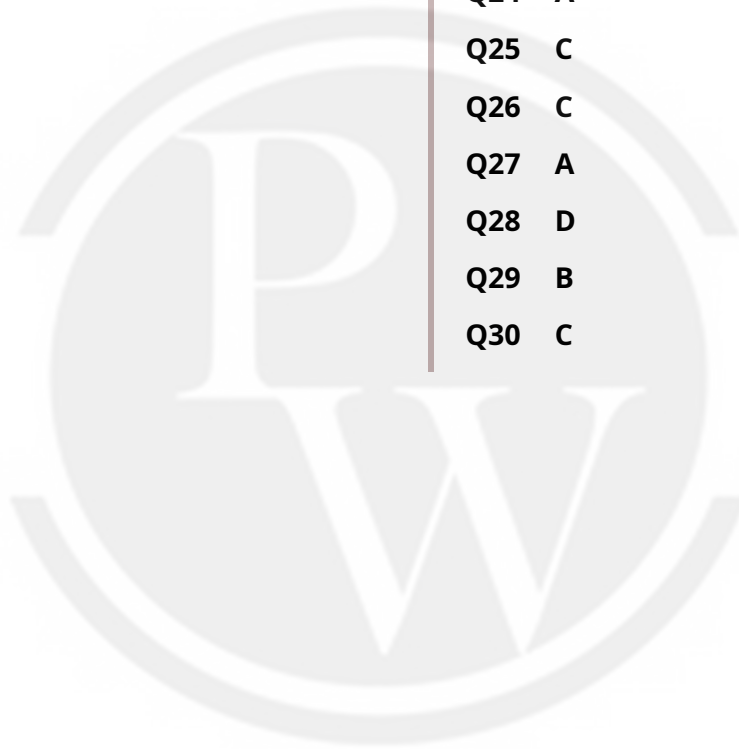
- Q25** Which of the following is NOT a method of contraception?
(A) IUDs (B) Vasectomy
(C) IVF (D) Oral pills
- Q26** Birth control pills check ovulation in female by inhibiting the secretion of –
(A) follicle stimulating hormone
(B) luteinizing hormone
(C) both (a) and (b)
(D) None of these
- Q27** According to WHO, reproductive health means total well-being in all aspects of reproduction like
(A) Physical, Emotional, Behavioral, Social
(B) Physical, Mental, Health, Sexual Habits, Healthy body
(C) Physical, Mental, Behavioral, Development of sexual organs
(D) Physical, Mental, Emotional, Social
- Q28** In amniocentesis, the fluid is taken from –
(A) foetal blood
(B) mother's blood
(C) body fluid of mother
(D) fluid surrounding foetus
- Q29** Medical Termination of Pregnancy (MTP) is considered safe up to how many weeks of pregnancy?
(A) Eight weeks (B) Twelve weeks
(C) Eighteen weeks (D) Six weeks
- Q30** Emergency contraceptive methods must be employed within:
(A) 72 hours of ovulation
(B) 72 hours of the onset of menstrual flow
(C) 72 hours of unprotected coitus
(D) 72 hours of cessation of menstrual flow



Answer Key

Q1 B
Q2 A
Q3 A
Q4 C
Q5 C
Q6 B
Q7 D
Q8 D
Q9 D
Q10 D
Q11 D
Q12 A
Q13 A
Q14 A
Q15 B

Q16 C
Q17 D
Q18 A
Q19 A
Q20 A
Q21 B
Q22 C
Q23 D
Q24 A
Q25 C
Q26 C
Q27 A
Q28 D
Q29 B
Q30 C



Hints & Solutions

Note: scan the QR code to watch video solution

Q1 Text Solution:

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

Video Solution:**Q2 Text Solution:**

Chikungunya virus is transmitted through an Aedes aegypti mosquito.

Video Solution:**Q3 Text Solution:**

The use of spermicidal creams, jellies and foams along with diaphragms, cervical caps and vaults leads to increase in contraceptive efficiency

Video Solution:**Q4 Text Solution:**

Natural methods work on the principle of avoiding chances of ovum and sperms meeting. Periodic abstinence is one such method in which the couples avoid or abstain from coitus from day 10 to 17 of the menstrual cycle when ovulation could be expected. As chances of fertilisation are very high during this period, it is called the fertile period. Therefore, by abstaining from coitus during this period, conception could be prevented.

Video Solution:**Q5 Text Solution:**

Family planning currently popular under the name of Reproductive and child health care.

Video Solution:

Q6 Text Solution:

At present the most widely accepted method of contraception in India is IUDs. Intra uterine devices (IUDs) are plastic or metal objects which are inserted by doctors in the uterus through vagina. These are available as non-medicated IUDs (i.e., Lippes Loop), copper releasing IUDs (CuT, Cu7, Multiload 375) and hormone releasing IUDs (progestasert, LNG-20). Vault cap is hemispheric dome like rubber or plastic cap with a thick rim which is meant for fitting over the vaginal vault over the cervix. Cervical cap is a reusable rubber cup that fits tightly over the cervix.

Video Solution:**Q7 Text Solution:**

Gamete Intra Fallopian Transfer

Video Solution:**Q8 Text Solution:**

Primary steps that can be taken towards attaining reproductive health are;

- counselling and creating awareness among people about reproductive organs, adolescence and associated changes.
- educating people about safe and hygienic sexual practices.
- creating awareness about STDs including AIDS, etc.

Video Solution:**Q9 Text Solution:**

To attain total reproductive health as a social goal the programmes called 'family planning' were initiated in 1951 by Indian government.

Video Solution:

Q10 Text Solution:

At present the most widely accepted method of contraception in India is IUDs. These Intra Uterine Devices (IUDs) are presently available as the non-medicated IUDs (e.g., lippes loop), copper releasing IUDs (CuT, Cu7, Multiload 375) and the hormones releasing IUDs (Progestasert, LNG-20). IUDs increase phagocytosis of sperms within the uterus and the Cu-ions released suppress sperm motility and the fertilizing capacity of sperms. The hormone releasing IUDs make the uterus unsuitable for implantation and cervix hostile to the sperms.

Video Solution:**Q11 Text Solution:**

Decreased MMR and Decreased IMR causes increased population hence lead to explosion

Video Solution:**Q12 Text Solution:**

Pills also called contraceptive pills contain small doses of either progestogens or progestogenestrogen combinations. They inhibit ovulation and implantation

Video Solution:**Q13 Text Solution:**

Gamete Intra Fallopian Transfer (GIFT) is transfer of an ovum collected from a donor into the Fallopian tube of another female who cannot produce ova but can provide proper environment for fertilization and further development.

Video Solution:**Q14 Text Solution:**

ZIFT (Zygote Intrafallopian Transfer) and IUT (Intrauterine Transfer): Both techniques involve transferring embryos to assist females who cannot conceive. In ZIFT, a zygote (fertilized egg) is transferred into the fallopian tube, while in IUT, embryos are transferred directly into the uterus.

Video Solution:

Q15 Text Solution:

Assisted reproductive technologies (ART) include a number of special techniques which assist infertile couples to have children. An important technique of ART is test tube baby programme. The baby produced by conceiving in a culture dish and nursing in the uterus is called a test tube baby. This method involves in vitro fertilization (IVF), i.e., fertilization of male and female gamete outside the body in almost similar conditions as that in the body followed by embryo transfer (ET). Zygote or embryo upto 8 blastomeres is transferred into the Fallopian tube (ZIFT - Zygote Intra Fallopian Transfer) and mature embryo with more than 8 blastomeres is transferred to uterus to complete its further Development.

Video Solution:



Q16 Text Solution:

Saheli is an oral contraceptive pill for females containing nonsteroidal preparation. It is 'once in a day' pill with very few effects. But reason is not explaining the assertion hence answer B.

Video Solution:



Q17 Text Solution:

Through Amniocentesis detection of cleft palate is not possible.

Video Solution:



Q18 Text Solution:

Coitus interruptus	Traditional method
Condoms	Barrier method
Tubectomy	Sterilisation method
Cu7	Intrauterine device

Video Solution:



Q19 Text Solution:

- Nearly 45 to 50 million MTPs are performed in a year all over the world which accounts for 1/5th of the total number of conceived pregnancies in a year.
- MTPs are considered relatively safe during the 1st trimester, i.e., upto 12 weeks of pregnancy.

Video Solution:



Q20 Text Solution:

The zygote or early embryos (with upto 8 blastomeres) could then be transferred into the fallopian tube (ZIFT-zygote intra fallopian transfer) and embryos with more than 8 blastomeres, into the uterus (IUT – intra uterine transfer), to complete its further development.

Video Solution:**Q21 Text Solution:**

Oxytocin is a birth hormone and vasopressin (antidiuretic hormone) reabsorbs water from the renal tubules to conserve water in the body. They have no role in contraception.

Video Solution:**Q22 Text Solution:**

The method of directly injecting a sperm into ovum in assisted reproductive technology is called ICSI (Intracytoplasmic sperm injection)

Video Solution:**Q23 Text Solution:**

A B C D
(ii) (iii) (iv) (i)

Video Solution:**Q24 Text Solution:**

Creating awareness among people about various reproduction related aspects and providing facilities and support for building up a reproductively healthy society are the major tasks under 'Reproductive and Child Health Care (RCH) programmes'.

Video Solution:**Q25 Text Solution:**

IVF

Video Solution:**Q26 Text Solution:**

both (a) and (b)

Video Solution:

Q27 Text Solution:

According to WHO, reproductive health means total well-being in all aspects of reproduction like Physical, Emotional, Behavioral and Social.

Video Solution:**Q28 Text Solution:**

fluid surrounding foetus

Video Solution:**Q29 Text Solution:**

Medical termination of pregnancy (MTP) or abortion is the termination of pregnancy before the fetus becomes viable. MTP is comparatively safe upto 12 weeks (the first trimester) of pregnancy. It becomes more risky after the first trimester period of pregnancy as the fetus becomes intimately associated with the maternal tissues.

Video Solution:**Q30 Text Solution:**

Emergency contraceptive methods must be employed within 72 hours of unprotected coitus as implantation would not occurred by this time

Video Solution:[Android App](#)[iOS App](#)[PW Website](#)