

CBSE Class 12 Biology
NCERT Exemplar Solutions
CHAPTER 4
REPRODUCTIVE HEALTH

Multiple Choice Questions (MCQs)

1. The method of directly injecting a sperm into ovum is assisted by reproductive technology is called:

- (a) GIFT
- (b) ZIFT
- (c) ICSI
- (d) ET

Ans. (c) ICSI

Explanation: ICSI stands for Intra Cytoplasmic sperm, Injection.

2. Increased 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/exp

Ans. (c) Not cause significant change in growth rate

3. Intensely lactating mothers do not generally conceive due to the:

- (a) Suppression of gonadotropins
- (b) Hyper secretion of gonadotropins



- (c) **Suppression of gametic transport**
- (d) **Suppression of fertilization**

Ans. (a) Suppression of gonadotropins

Explanation: (a) Suppression of gonadotropins

4. Sterilisation techniques are generally fool proof methods of contraception with least side effects. Yet, this is the last option for the couples because:

- (i) **It is almost irreversible**
- (ii) **Of the misconception that it will reduce sexual urge/drive**
- (iii) **It is a surgical procedure**
- (iv) **Of lack of sufficient facilities in many parts of the country**

Choose the correct option:

- (a) **(i) and (iii)**
- (b) **(ii) and (iii)**
- (c) **(ii) and (iv)**
- (d) **(i), (ii), (iii) and (iv)** **Ans.** (d) (i),

(ii), (iii) and (iv) **Explanation:** (d) (i),

(ii), (iii) and (iv)

5. A national level approach to build up a reproductively healthy society was taken up in our country in:

- (a) **1950s**
- (b) **1960s**
- (c) **1980s**
- (d) **1990s**

Ans. (a) 1950s

Explanation: (a) 1950s

6. Emergency contraceptives are effective if used within:



- (a) 72 hrs of coitus
- (b) 72 hrs of ovulation
- (c) 72 hrs of menstruation
- (d) 72 hrs of implantation Ans.

(a) 72 hrs of coitus **Explanation:**

- (a) 72 hrs of coitus

7. Choose the right one among the statements given below:

- (a) IUDs are generally inserted by the user herself
- (b) IUDs increase phagocytosis reaction in the uterus
- (c) IUDs suppress gametogenesis
- (d) IUDs once inserted need not be replaced

Ans. (b) IUDs increase phagocytosis reaction in the uterus

Explanation: A qualified medical professional is needed to insert IUD. IUD has no effect on gametogenesis because ovulation takes place in the ovary while IUD is placed at the junction of fallopian tubes and uterus. IUDs can be easily taken out. So, option 'b' is correct.

8. Following statements are given regarding MTP. Choose the correct options given below:

- (i) MTPs are generally advised during first trimester
 - (ii) MTPs are used as a contraceptive method
 - (iii) MTPs are always surgical
 - (iv) MTPs require the assistance of qualified medical personnel
- (a) (ii) and (iii)
 - (b) (ii) and (iii)
 - (c) (i) and (iv)
 - (d) (i) and (ii)

Ans. (c) (i) and (iv)



Explanation: MTP is carried out after conception and hence it cannot be a contraceptive method. MTP involves curettage of foetus by inserting a suitable tool in the uterus and this does not involve surgery. Hence, option (i) and (iv) are correct.

9. From the sexually transmitted diseases mentioned below, identify the one which does not specifically affect the sex organs:

- (a) Syphilis
- (b) AIDS
- (c) Gonorrhoea
- (d) Genital warts

Ans. (b) AIDS

Explanation: AIDS can be transmitted through sexual contact but it does not affect the reproductive system. It affects the immune system.

10. Condoms are one of the most popular contraceptives because of the following reasons:

- (a) These are effective barriers for insemination
- (b) They do not interfere with coital act
- (c) These help in reducing the risk of STDs
- (d) All of the above

Ans. (d) All

of the above

11. 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
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Ans. (b) Zygote is collected from a female donour and transferred to the fallopian tube

Explanation: ZIFT stand for Zygote Intra Fallopian Transfer. The name shows that zygote is transferred to the fallopian tube. Transfer to the uterus will be useless because zygote needs to develop into blastocyst for implantation.

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

- (a) Ovariectomy
- (b) Hysterectomy
- (c) Vasectomy
- (d) Castration

Ans. (c) Vasectomy

Explanation: Ovariectomy is removal of ovary which is carried out in case of ovarian cyst or cancer. Hysterectomy is removal of uterus which is carried out in case of uterine cancer or risk of uterine cancer. Castration is done in males (usually in animals).

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

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

- (a) (i) and (ii),
- (b) (i) and (iii),
- (c) (ii) and (iii),
- (d) (iii) & (iv)

Ans. (c) (ii) and (iii)

Explanation: Diaphragms are made of rubber and rubber has no spermicidal property. Diaphragm is placed over cervix and not into the uterus. Hence, (ii) and (iii) are correct.