

Chapter- 04

REPRODUCTIVE HEALTH**VERY SHORT ANSWER QUESTIONS (1 mark)**

01. According to WHO, define reproductive health?
02. Expand RCH and write its role.
03. Expand CDRI and name the oral contraceptive developed by CDRI for females.
04. List the causative agents of: i) AIDS. ii) Gonorrhoea
05. Expand IUD and IVF.
06. Give the full form of NACO
07. What is AI? Under which condition this technique is adapted?
08. Define Lactational Amenorrhoea.
09. How Spermicidal creams are used?
10. What are Implants?

SHORT ANSWER TYPE QUESTIONS (2 marks)

11. Taking reproductive health into consideration justify how developed nations are better than developing ones?
12. What is amniocentesis? Why it is banned?
13. Enlist four important measures taken by government for small families to check the population explosion.
14. Write the physical barrier used in case of males give the role of it. Name a popular brand of physical barrier for males.
15. What is MTP? Why it is legalized?
16. How hepatitis-B and HIV is transmitted? Write the precautions for the above diseases.
17. How ZIFT and IUT help females?
18. What is GIFT? Why doctors suggest to conduct it?
19. Enlist the ill-effects of contraceptives.

SHORT ANSWER TYPE QUESTIONS (3 marks)

20. Mention the categories and characters of an ideal contraceptive.
21. Write briefly about the barriers for the females.
22. What are oral pills? How it has to be taken by females? Write its role in preventing conception.
23. What is IUD? How are they inserted? Enlist its types and functions.
24. Write about three of the natural methods for avoiding pregnancy?

LONG ANSWER TYPE QUESTIONS (5 marks)

25. What is ART? How it helps to treat infertility? Explain in details.

26. Suggest the aspects of reproductive health which need to be given special attention in present scenario.
 (b) Write any four reasons for population explosion

HOTS/MODEL QUESTIONS:

01. State 4 points of difference between contraceptive pills and surgical method.
02. Mention one positive and one negative application of amniocentesis.
03. Explain briefly the techniques of sex-determination in foetus.
04. What are the advantages of natural methods of contraception over artificial method.
05. All reproductive tract infections (RTIs) are STDs, but all STDs are not RTIs -Justify with example
06. Expand the following
 (i) IVF (ii) ZIFT (iii) IUI (iv) MTP (v) GIFT (vi) ICSI
07. MTP is considered safe up to how many weeks of pregnancy?
08. In case of a couple where male is having a very low sperm count, which technique will be suitable for fertilisation?
09. Name two hormones that are constituents of contraceptive pill. Why do they have high and effective contraceptive value? Name a commonly prescribed non-steroidal oral pill.
10. (a) Mention the problems that are taken care of by Reproduction and child Health care programme.
 (b) List any four characteristics of an ideal contraceptive.
11. If a person with STD is not detected timely then which type of problems it could lead later

12. Mention two events that are inhibited by the intake of oral contraceptive pills to prevent pregnancy in human.















SHORT ANSWER TYPE QUESTIONS (2 marks)

11. Expand - (i) OAA (ii) PGA (iii) NADP (iv) ADP
12. State Blackman's law of limiting factor.
13. Diagrammatically represent chloroplast.
14. Write any four differences between cyclic and non-cyclic photophosphorylation.

15. (a) Name the two plants showing Kranz anatomy. (b) Mention the importance of Kranz anatomy in C_4 plant.
16. What do you mean by photolysis of water. Give the reaction.
17. What do you mean by biosynthetic phase. Name the end product.

SHORT ANSWER TYPE QUESTIONS (3 marks)

18. How photochemical phase is different from biosynthetic phase.
19. Describe the light harvesting complexes of photosynthesis
20. Name the accessory pigments of photosynthesis. Mention their role.
21. Give any six point of difference between C_3 and C_4 plants.
22. What do you mean by photorespiration? Why photorespiration is a wasteful process?
23. Describe cyclic phosphorylation with diagram.
24. Graphically represent pigments showing absorption spectrum.

LONG ANSWER TYPE QUESTIONS (5 marks)

25. Diagrammatically represent Hatch and Slack pathway. Expand PEP. What is its role in the biosynthetic process?
26. Describe and draw Z-scheme.
27. Schematically represent the process of ATP synthesis through chemosmosis in chloroplast. Explain how ATP synthase is activated.

HOTS/ MODEL QUESTIONS:

01. Name the reaction centre of PS - I and PS - II
02. Give the name of CO_2 concentration at which saturation of photosynthesis occurs in C_3 and C_4 plants. Explain how light affects photosynthesis.
03. Why is the C_3 pathway of photosynthesis also known as Calvin cycle?
04. Name all the electron carriers involved in non-cyclic photophosphorylation.
05. Write the simple equation of photosynthesis as given by Van Niel.
06. Why is the lumen of thylakoid acidic while stroma is alkaline?
07. Explain "There is no oxygen evolution in bacterial photosynthesis".
08. Why did Melvin Calvin use Chlorella for his experiment?
09. Mention the steps common to C_3 and C_4 photosynthesis.
10. Why is it an advantage that bundle sheath chloroplast lack grana?

11. Suggest some habitats in which light intensity, CO_2 concentration and temperature might be a limiting factor in photosynthesis.
12. In C_4 plants which type of chloroplast is specialized for light reaction and which for dark reaction.
13. Dark reactions are temperature controlled. Why?
14. Explain Blackmann's Law of limiting factors.
15. Name the hormones which increase and decrease the rate of photosynthesis.
16. Why is photorespiration also called C_2 cycle?
17. How many ATP molecules are required for syntheses of one molecule of Glucose in C_4 plant?

