

## Ch-1 Reproduction in organisms

## I. Two marks:

1. What is strobilation? (Pg 4)
2. Explain about oblique binary fission. (Pg 3)
3. Explain Plasmotomy. (Pg 4)
4. What is sporulation? (Pg 4)
5. Differentiate exogenous and endogenous budding. (Pg 5)
6. What is a gemmule? (Pg 5)
7. What is meant by apolysis? (Pg 6)
8. What is meant by senescent phase? (Pg 7)
9. What is meant by paedogamy? (Pg 7)
10. What is syngamy? (Pg 7)
11. Explain about the significance of Epimorphosis. (Pg 8)
12. Explain about the important facts of Incomplete Parthenogenesis. (Pg 8)
13. Write a note on Paedogenetic parthenogenesis? (Pg 8)
14. Write a note on mesogamy? (Pg 7)
15. Define exogamy? (Pg 7)
16. Differentiate isogamy and anisogamy. (Pg 7)
17. Comment on conjugation. (Pg 7)
18. Define Multiple fission. (Pg 3)
19. Explain Paedogamy. (Pg 7)
20. What is parthenogenesis? (Pg 7)

## II. Three marks:

1. Explain budding and its varied types. (Pg 5)
2. Phases of life cycle (Pg 7)

3. Write a note on Regeneration and its types. (Pg 6)

4. Differentiate complete and incomplete parthenogenesis. (Pg 8)

## III. Five marks:

1. Explain about the different types of Syngamy. (Pg 7)
2. What is parthenogenesis and explain its different types. (Pg 8)
3. What is fission and explain about the different types.
4. Explain about various methods of asexual reproduction adopted by organisms during unfavourable condition.

## Ch-2 Human Reproduction

## I. Two marks:

1. What is Trophoblast? (Pg 23)
2. What is the gestation period of human? (Pg 25)
3. Explain gastrulation. (Pg 25)
4. What is meant by polyspermy? (Pg 23)
5. Differentiate hypoblast and epiblast. (Pg 24)
6. What is meant by ectopic pregnancy?
7. What is Morula? (Pg 23)
8. What is the role of hyaluronidase? (Pg 19)
9. Give the functions of Yolk sac. (Pg 25)
10. What is meant by Nebenkern, give its significance. (Pg 19)
11. What is the function of Skene's gland? (Pg 17)
12. Give the significance of chorionic villi. (Pg 25)
13. Which is referred as thermoregulator and why? (Pg 14)
14. What is seminal vesicle, give its function. (Pg 15)
15. What is the function of Inhibin? (Pg 14)
16. What is the role of amniotic membrane? (Pg 25)

17. What is the function of allantois? (Pg 25)
18. What is the role of prostate gland? (Pg 15)
19. Give the functions of bulbo urethral gland or cowper's gland.  
(Pg 15)
20. What is the significance of Relaxin? (Pg 26)
21. What is meant by parturition? (Pg 14)
22. What is Braxter Hick's reflex? (Pg 26)
23. What are the accessory glands in male reproductive system?  
(Pg 15)
24. Which is referred as thermoregulator? (Pg 14)
25. Which is termed as tunica albuginea? (Pg 16)
26. Which region forms the fundus in female reproductive  
system? (Pg 17)
27. Which is referred as meso ovarium? (Pg 16)
28. Which is called as spermatid? (Pg 20)
29. Which forms the oogonium? (Pg 20)
30. Where is axoneme? (Pg 20)

#### II. Three marks:

1. What are the extra embryonic membranes? (Pg 25)
2. What is the role of placenta as temporary endocrine gland?  
(Pg 25)
3. Give the role of Corpus luteum as a temporary organ of  
endocrine gland? (Pg 21)
4. Explain about the embryonic development during the three  
trimesters. (Pg 25)
5. What are the significant hormones produced in a pregnant  
lady? (Pg 25)

6. Explain about the role of Progesterone. (Pg 25)
7. What is the role of oxytocin? (Pg 26)
8. What are the hormones which bring about lactation, explain?
9. What is colostrum, explain its significance? (Pg 26)
10. What is the Role of Sertali or Nurse cells? (Pg 14)
11. What is the significance of Leydig cells?
12. What is seminal plasma? Give its composition. (Pg 15)
13. What is semen? (Pg 16)
14. What are the three membranes surrounding the ovum?  
(Pg 20)

#### III. Five marks:

1. Explain in detail the Role and function of Gonads of  
Humanbeing. (Testis and ovary)
2. Explain about the primary reproductive organ of Male (Testis)  
(Pg 215)
3. Explain about the primary reproductive organ of Female  
(Ovary) (Pg 16)
4. Explain about the male associated reproductive structure.  
(other parts than testis) (Pg 15)
5. Explain about the female associated reproductive structure.  
(other parts than ovary) (Pg 16)
6. Explain the process of Gametogenesis. (Oogenesis and  
Spermatogenesis) (Pg 18, 20)
7. Explain the structure and role of Male gamete. (Sperm) (Pg 19)
8. Explain about Associated glands in Male and female  
reproductive system?
9. Explain about the structure of female gamete (Ovum).
10. Explain about parturition and lactation.
11. Explain about Menstrual cycle.