



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

HUMAN REPRODUCTION

One Mark Questions And Answers

1. What is gametogenesis?



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2. Define Placenta?



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3. What is embryogenesis ? Mention two important events that occurred during embryogenesis.



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4. Which hormone is called pregnancy hormone?



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5. Define Amphimixis.



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6. Define implantation.



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7. Define spermiogenesis.



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8. Name the membrane around fertilized egg which prevent polyspermy.



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9. Name the endocrine part of the testes.



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10. What do you mean by manchette?



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11. What is fertilisin?



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12. What is antifertilisin?



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13. What is acrosome reaction?



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14. Define blastulation?



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15. What is antrum?



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16. What is liquor folliculi?



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17. Define fertilisation?



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18. Name the gametokinetic factor?



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19. Where are sperms produced in the testis?



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20. What is the role of placenta?



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21. Define gametogenesis.



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22. Name the hormone secreted by corpus luteum.



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23. Define spermiogenesis.



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24. Expand (one mark each)

(a) IVE (b) ZIFT(c) IUT

(d) GIFT (e) ICSI (f) AI

(g) IUI (h) ART



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25. Name the functions of the following: (one

mark each) (a) Corpus luteum(b)

Endometrium(c) Acrosome (d) Sperm tail

(e) Fimbria





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26. Name the layer of cells that forms the outer wall of blastocyst.



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27. What is menarche?



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28. Name the finger like projections that appear on the trophoblast after the implantation.



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29. What is the significance of scrotum?



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30. What is foetal-ejection reflex?



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31. "Colostrum is considered essential for newborn babies". Give reason.



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Two Mark Questions And Answers

1. Explain fertilizin and antifertilizin reactions.



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2. Give two differences between spermatogenesis and oogenesis.



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3. Mention the significance of fertilization.



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4. Name two gonadotrophic hormones with a function of each.



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5. What is fertilization membrane? How it is formed?



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6. What is corpus luteum? What is its function?



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7. Mention any two functions of testosterone.



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8. Distinguish between oogonium and ovum.



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9. What is acrosome? Mention its role in fertilization.



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10. Give any four differences between external and internal fertilization.



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11. Explain the role of gonadotropic hormones in the female reproductive cycle.



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12. Briefly explain implantation.



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13. With reference to the study of human sperm, mention the functions of acrosome.

proximal centriole, distal centriole and nebenkern.



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14. Write two major functions each of testis and ovary.



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15. Describe the structure of a seminiferous tubule.



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16. Name the hormones involved in the regulation of spermatogenesis.



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17. Define spermiogenesis and spermiation.



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18. What are the major components of seminal plasma?



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19. What are the major functions of male accessory ducts and glands?



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20. What is menstrual cycle? Which hormones regulate menstrual cycle?



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21. What is parturition ? Which hormones are involved in induction of parturition ?



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22. What is colostrum? What is its significance to the new born baby?



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23. What is the parturition? Name the neuroendocrine hormone that induces parturition.



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1. Draw a labelled diagram of a section through ovary.



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Five Mark Questions And Answers

1. Describe oogenesis?



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2. What is Spermatogenesis ? Explain the process of spermatogenesis.



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3. Describe the role of hormones in the female reproductive cycle.



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4. Describe briefly the structure of a human sperm.



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5. Draw a neat labelled diagram of human male reproductive system.



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6. Draw a labelled diagram of the female reproductive system.



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7. Explain the menstrual cycle with a diagram.



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8. Differentiate between spermatogenesis and oogenesis.



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9. (a) Draw a neat labelled diagram of sectional view of seminiferous tubule.

(b) Explain the mechanism of parturition with the help of foetal ejection reflex.



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10. What is spermatogenesis? Explain with a schematic representation.



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11. What is menstrual cycle? Describe the different phases in it.



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