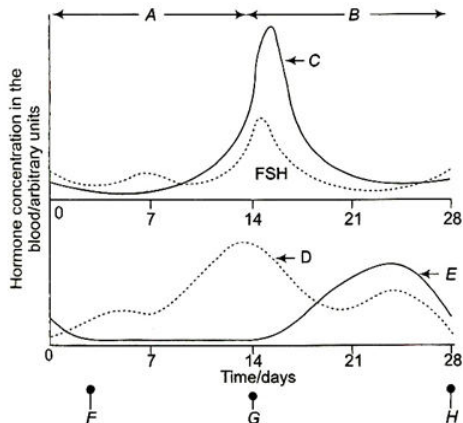


Class : XIIth
Date :

Subject : BIOLOGY
DPP No. : 10

Topic :- Human Reproduction

- Milk secreted from the cells of alveoli of mammary lobes reaches to the nipple by Lactiferous duct (L), Mammary duct (M), mammary Tubule (T) and mammary Ampulla (A) in following order
 - T A M L
 - T M A L
 - M T A L
 - A T M L
- The diagram shows some of the changes in blood hormone concentration which occur during the menstrual cycle. Match A,B,C,D,E,F,G and H of graph with the hormones and events given below



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Hormones and Events

- I. Oestrogen
 - II. Ovulation
 - III. Repair of endometrium
 - IV. Luteinizing hormone
 - V. Menstruation
 - VI. Luteal phase
 - VII. Progesterone
 - VIII. Ovarian phase
- I-H, II-G, III-F, IV-E, V-D, VI-C, VII-B, VIII-A
 - I-D, II-E, III-F, IV-G, V-H, VI-A, VII-C, VIII-C
 - I-D, II-G, III-F, IV-C, V-H, VI-B, VII-E, VIII-A

- I-D, II-E, III-F, IV-G, V-H, VI-A, VII-C, VIII-C
- I-A, II-C, III-E, IV-G, V-H, VI-F, VII-D, VIII-B

- In frog, gastrulation process involves
 - Epiboly
 - Emboly
 - Invagination
 - All of these
- Name the most important hormone which causes the uterine contraction strongly
 - Oxytocin
 - Inhibin
 - Protection
 - Progesterone

5. Correct sequence of hormone from beginning of menstrual cycle to the end is
 a) FSH, progesterone, LH
 b) Oestrogen, FSH and progesterone
 c) FSH, oestrogen, progesterone
 d) Oestrogen, progesterone, FSH
6. Which of the following is incorrectly matched?
 a) Rabbit – Microlecithal, isolecithal
 b) Frog – Mesolecithal, telolecithal
 c) Human – Mesolecithal, centrolecithal
 d) Birds – Macrolecithal, telolecithal
7. Capacitation takes place in
 a) 12 hrs
 b) 10 hrs
 c) 8 hrs
 d) 6 hrs
8. Grey crescent is the area
 a) At the point of entry of sperm into ovum
 b) Just opposite to the site of entry of sperm into ovum
 c) At the animal pole
 d) At the vegetal pole
9. Both corpus luteum and macula lutea are
 a) Found in human ovaries
 b) A source of hormones
 c) Characterized by a yellow colour
 d) Contributory in maintaining pregnancy
10. A cross section at the midpoint of the middle piece of a human sperm will show
 a) Centriole, mitochondria and 9+2 arrangement of microtubules
 b) Centriole and mitochondria
 c) mitochondria and 9+2 arrangement of microtubules
 d) 9+2 arrangement of microtubules only
11. Fertilization is
 a) Fusion of male and female gametes
 b) Fission of male and female gametes
 c) Formation of gametes
 d) Formation of embryo
12. Cleavage is
 a) Meiosis of zygote into blastomeres
 b) Mitosis of zygote into blastomeres
 c) Reductional division of zygote
 d) Reductional division of embryo
13. How many phases (stages) are there in menstrual cycle?
 a) 2
 b) 6
 c) 4
 d) 5
14. Rapid secretion of LH in ovulation causes
 a) Repturing of Graafian follicle
 b) Releasing of ova
 c) Ovulation
 d) All of the above

15. The phase of menstrual cycle in humans that lasts for 7-8 days, is
a) Follicular phase b) Ovulatory phase c) Luteal phase d) Menstruation
16. Correct sequence in development is
a) Fertilization → zygote → cleavage → morula → blastula → gastrula
b) Fertilization → zygotes → blastula → cleavage → gastrula
c) Fertilization → cleavage → morula → zygote → blastula
d) cleavage → zygote → morula → zygote → blastula
17. Fertilization of ovum takes place in rabbit, man and other placental mammals in
a) Ovary b) Fallopian tube c) Cervix d) Uterus
18. Placenta acts as an
a) Endocrine gland b) Exocrine gland c) Apocrine gland d) Merocrine gland
19. Extraembryonic membranes, chorion and amnion are formed by
a) Inner mass cells b) Trophoblast c) Both (a) and (b) d) None of these
20. Extraembryonic membranes are also called
a) Foetal membranes b) Embryonic membranes
c) Outer membranes d) Inner membranes

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