

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth

Date :

Subject : BIOLOGY

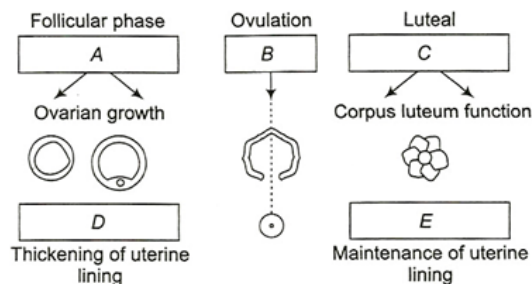
DPP No. : 1

Topic :- Human Reproduction

- The part of fallopian tube closest to the ovary is
a) Isthmus b) Infundibulum c) Cervix d) Ampulla
- Human male ejaculates ...A... to ...B... million sperm. Atleast ...C... should have normal shape and size and ...D... should show vigorous motility. Here A, B, C and D refers to
a) A-100, B-200, C-30%, D-40% b) A-200, B-300, C-60%, D-40%
c) A-300, B-400, C-60%, D-40% d) A-400, B-500, C-60%, D-40%
- Acrosome secretes
a) Hyaluronic acid b) Hyaluronidase c) TSH d) Fertilizin
- Find out the spermatogonium and spermatozoa in above figure
a) A and F b) C and D c) F and A d) D and E
- Second meiotic division in ovum leads to the formation of
a) Haploid ovum b) Second polar body c) Tertiary polar body d) Both (a) and (b)
- In implantation the blastocyst attached to the wall of uterus
a) Endometrium b) Myometrium c) Perimetrium d) Mesoderm
- Which of the following groups of cell in the male gonad, represent haploid cells?
a) Spermatogonial cells b) Germinal epithelial cells
c) Secondary spermatocytes d) Primary spermatocytes
- Parturition is
a) Child birth
b) Expulsion of the baby from uterus
c) Both (a) and (b)
d) None of the above
- Several mammary ducts joins to form a wider mammary ampulla, which is connected to
a) Lactiferous duct b) Seminiferous duct c) Seminiferous tubules d) Lactiferous canal

10. External opening of penis is called
 a) Ureter b) Urinary bladder c) Urethral meatus d) Prepuce
11. Insemination is
 a) A sperm injection to increase male fertility b) A cure of male infertility
 c) Inability of male to produce sperms d) The transfer of sperms by male in to the genital tract of female
12. Sertoli's cells are found
 a) Between these seminiferous tubules b) In the germinal epithelium of ovary
 c) In the upper part of the fallopian tube d) In the germinal epithelium of the seminiferous tubules
13. The maximum growth rate occurs in
 a) Stationary phase b) Senescence phase c) Lag phase d) Exponential phase
14. Heart is formed is embryo during of development
 a) 15 days b) One months c) 1.5 months d) 2 months

15. The figure given below illustrates the changes taking place during the human menstruation cycle



Identify hormones A,B,C,D and E from the figures

In the boxes shown in the figure write the name of the hormone (or hormones) controlling the stage in the human menstrual cycle

- a) A-FSH, B-LH, C-LH, D-Oestrogen, E-Progesterone
 b) A- LH, B- FSH, C-LH, D-Oestrogen, E-Progesterone
 c) A-FSH, B-LH, C- FSH, D-Oestrogen, E-Progesterone
 d) A-FSH, B-LH, C-LH, D- Progesterone, E- Oestrogen
16. Organogenesis is the formation of
 a) Organs b) Tissue c) Ova d) Spinal cord

17. ...A... is composed of endoderm inside and splanchnopleuric extraembryonic mesoderm outside. In humans it is small and non-functional except for ...B... to placenta. A and B in the statement refers to
- a) A-Allantois; B-blood vessel
 - b) A- Blood vessel; B- allantois
 - c) A-Amnion; B-amniotic cavity
 - d) A-Endoderm; B-ectoderm
18. *In vitro fertilization* is a technique that involves transfer of which one of the following into the fallopian tube?
- a) Embryo only, upto 8 celled stage
 - b) Either zygote or early embryo upto 8 celled stage
 - c) embryo of 32 celled stage
 - d) Zygote only
19. What happens during the follicular phase of menstrual cycle?
- a) Proliferation of endometrium wall
 - b) Reduction of endometrium wall
 - c) Shedding of endometrium wall
 - d) No effect on endometrium wall
20. Adrenal gland is derived from
- a) Ectoderm
 - b) Mesoderm
 - c) Both (a) and (b)
 - d) Ectoderm and endoderm