

Question Bank for PG Course

প্রাণীবিদ্যা (ZOOLOGY)

সপ্তম (ক) পত্র (Paper - VIIA)

Developmental Biology: PGZO-VIIA

1. Where from *Drosophila* germ cells arise ?
2. Where the 'Nebenkern' structure is found ?
3. Which one is the major contributing gland or component in human semen formation ?
4. Mention the function of zona proteins.
5. What is the cause of resting potential shift to positive level in egg membrane just after sperm entry ?
6. State two major limitations of IVF.
7. Which gene product signal causes follicle cells to differentiate into dorsal morphology in *Drosophila* embryo ?
8. Give examples of two teratogenic drugs.
9. What is 'spay-vac' ?
10. In absence of 20-hydroxyecdysone which protein binds to ecdysone responsive genes to prevent transcription ?
11. State an example of multipotent stem cells.
12. Which maternal effect gene primarily express in a postero-anterior gradient to determine antero-posterior axis in *Drosophila* ?
13. What is the function homeotic genes in *Drosophila* ?
14. In which area of brain the neural stem cells exists ?
15. What are the transcription factors which maintain the characteristic pluripotency of inner cell mass (ICM) of mouse embryo ?