

SEXUAL REPRODUCTION IN FLOWERING PLANTS

MULTIPLE CHOICE QUESTIONS

- Ovulation in the human female normally takes place during the menstrual cycle.
(a) at the mid secretory phase
(b) just before the end of the secretory phase
(c) at the beginning of the proliferative phase
(d) at the end of the proliferative phase.
- If mammalian ovum fails to get fertilised, which one of the following is unlikely?
(a) Corpus luteum will disintegrate.
(b) Progesterone secretion rapidly
(c) Estrogen secretion increases.
(d) Primary follicle starts developing.
- Which part of the sperm plays an important role in penetrating the egg membrane? (a) Allosome
(b) Tail (c) Autosome (d) Acrosome
- In human adult female's oxytocin –
(a) stimulates pituitary to secrete vasopressin
(b) causes strong uterine contractions during parturition
(c) is secreted by anterior pituitary
(d) stimulates growth of mammary gland
- Spot the odd one out from the following structures with reference to the male reproductive system.
(a) Rete testis (b) Epididymis (c) Vasa efferentia (d) Isthmus
- How many sperms are formed from 4 primary spermatocytes?
(a) 4 (b) 1 (c) 16 (d) 32
- In spermatogenesis, reduction division of chromosome occurs during conversion of -
(a) spermatogonia to primary spermatocytes.
(b) primary spermatocytes to secondary spermatocytes
(c) secondary spermatocytes to spermatids
(d) spermatids to sperms.
- 1st polar body is formed at which stage of oogenesis?
(a) 1st meiosis (b) 2nd mitosis (c) 1st mitosis (d) Differentiation
- In the event of pregnancy, the corpus luteum persists under the influence of –
(a) LH (b) FSH (c) chorionic gonadotropin (d) progesterone.
- What is true about cleavage in the fertilised egg in humans?
(a) It starts while the egg is in Fallopian tube.
(b) It starts when the egg reaches uterus.
(c) It can start in uterus or in oviduct.
(d) It is identical to the normal mitosis.

ANSWERS: (1) - b, (2) - c, (3) - d, (4) - b, (5) - d, (6) - c, (7) - a, (8) - a,
(9) - a, (10) - a
