

Venkateshwara vidyalaya matric higher secondary school.

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Bio-Zoology

I.Choose the best answer.8\*1:8

1.In which mode of reproduction variations are seen (a)asexual (b)parthanogenesis (c)sexual (d)both a&b

2.The fusion of morphological and physiological identical gametes is

(a)hologamy (b)paedogamy (c)isogamy (d)anisogamy

3.The male hormone testosterone is secreted from (a)sertoli cells (b)leydig cell (c) epididymis (d)prostate gland.

4.Your large number of follicle degenerate during the period from birth to puberty,so at puberty only.....follicle are in each ovary.

(a)60000-80000 (b)60000-70000 (c)70000-80000 (d)70000-90000

5.A contraceptive pill prevent ovulation by

(a) blocking fallopian tube

(b)inhibiting release of FSH and LH

(c) stimulating release of FSH and LH

(d) causing immediate degeneration of released ovum.

6.which one of the following is not a step in IVF treatment?

(a) Testes stimulation (b) ovarian stimulation (c) Egg retrieval (d) Fertilization and embryo culture

7.Co-dominant blood group is...

(a)A (b) AB (c) B (d) O

8.XO type of sex determination and XY type of sex determination are example of. (a)Male heterogamety

(b)Female heterogamety (c) male homogamety (d) both b&c.

II.ANSWER ANY FOUR OF THE FOLLOWING 4\*2:8

1.Define kin selection

2. What is embryo transfer technique.

3.Define null allele.

4.what is ectopic pregnancy.

5.what is ovoviviparous?

III.ANSWER ANY THREE OF THE FOLLOWING 3\*3:9(Q.no 2 is compulsory).

1. Write short notes on kinds of syngamy in lower organisms.
2. write short notes on accessory ducts of male reproductive system.
3. Give an account on natural birth control method.
4. Give an account of genetic control of Rh factor.

IV.ANSWER ANY TWO OF THE FOLLOWING 2\*5:10.

1. Give detailed account on following mendelian disorders.  
A. Thalassemia. B. Phenylketonuria C. Huntington's chorea
2. Write detailed account on detection of Foetal disorders during early pregnancy
3. Write detailed account on Fertilization and implantation.