

$$10 \times 1 = 10$$

- Syngamy results in the formation of _____.
 - Zoospores
 - Conidia
 - Zygote
 - Chlamydospores
- The plant which propagates with the help of its leaves is _____.
 - Onion
 - Neem
 - Ginger
 - Bryophyllum
- The large elongated cells that provide nutrition to developing sperms are
 - Primary germ cells
 - Sertoli cells
 - Leydig cells
 - Spermatogonia
- Which one of the following is an IUCD?
 - Copper – T
 - Oral pills
 - Diaphragm
 - Tubectomy
- Asexual reproduction takes place through budding in _____.
 - Amoeba
 - Yeast
 - Plasmodium
 - Bacteria
- The essential parts of a flower are _____.
 - Calyx and Corolla
 - Calyx and Androecium
 - Corolla and Gynoecium
 - Androecium and Gynoecium
- Anemophilous flowers have _____.
 - Sessile stigma
 - Small smooth stigma
 - Coloured flower
 - Large feathery stigma
- Male gametes in angiosperms are formed by the division of _____.
 - Generative cell
 - Vegetative cell
 - Microspore mother cell
 - Microspore

9. A single highly coiled tube where sperms are stored, get concentrated and mature is known as

- a) Epididymis b) Vasa efferentia
- c) Vas deferens d) Seminiferous tubules

10. Oestrogen is secreted by

- a) Anterior pituitary b) Primary follicle
- c) Graafian follicle d) Corpus luteum

II. Fill in the blanks

2x 1=2

1. After fertilization the ovary develops into_____.

2. _____is the first secretion from the mammary gland after child birth .

III.Match the following terms with (2) their respective meanings

(2)

- a) Parturition - 1) Duration between pregnancy and birth
- b) Gestation - 2) Attachment of zygote to endometrium
- c) Ovulation - 3) Delivery of baby from uterus
- d) Implantation - 4) Release of egg from Graafian follicle

IV. State whether the following statements are True or False. Correct the false statement

2x 1=2

1. Seeds are the product of asexual reproduction.

2. The increased level of estrogen and progesterone is responsible for menstruation.

V. Short answer question (answer anyfive)

7 x 2 =14

1. Name the part of the human female reproductive system where the following occurs.

- a. Fertilization
- b. Implantation

2. a) In which part of the flower germination of pollen grains takes place?

b) What is the enzyme present in acrosome of sperm?

3. Why is vegetative propagation practiced for growing some type of plants?

4. Define triple fusion.

5. How can menstrual hygiene be maintained during menstrual days?
6. Name the secondary sex organs in male.
7. How does developing embryo gets its nourishment inside the mother's body?

VI. Long answer questions

1 x 5 =5

1. With a neat labelled diagram describe the parts of a typical angiosperm ovule?
2. What are the phase of menstrual cycle? Indicate the changes in the ovary and uterus