

A. Choose the letters of the correct answer.

1. Which of the following structure allows the movement of substances to and from the embryo?
 - a. fallopian tube
 - b. placenta
 - c. umbilical cord
 - d. uterus
2. Which is the pathway of the ovum in the female reproductive system?
 - a. fallopian tube → uterus → ovary
 - b. ovary → uterus → fallopian tube
 - c. ovary → fallopian tube → uterus
 - d. none of these
3. Which of the following stages does a fetus develop complete organs?
 - a. end of 1st trimester
 - b. end of 2nd trimester
 - c. end of 3rd trimester
 - d. none of these
4. Which of the following contains enzymes that digest the daily covering of the egg to facilitate the entry of a sperm into the egg?
 - a. acrosome
 - b. epididymis
 - c. spermatocyte
 - d. seminiferous tubules
5. Which of the following secretes a hormone that is responsible for maintaining the lining of the uterus during pregnancy?
 - a. corpus luteum
 - b. follicles
 - c. oocyte
 - d. spermatocyte

B. Arrange the following first stages of human development.

1. The fetus has complete organs.
2. The one-month-old embryo forms body organs.
3. Heartbeat and fine body hairs can now be detected.
4. The placenta forms around the two-week old embryo.
5. There is a period of growth, the fetus reaches 6–9 pounds.
6. The zygote cleaves by mitosis as it moves down the uterus.
7. The embryo shows miniature limbs as hands, arms, elbows, legs, knees.
8. The unfertilized egg is activated by fusion with the sperm in the fallopian tube.
9. The embryo forms a hollow ball and 3–6 days after fertilization, it implants itself in the uterus.
10. The two-week old embryo, 2 mm size, develops muscle tissues, vertebra, blood vessels, and nervous system.