

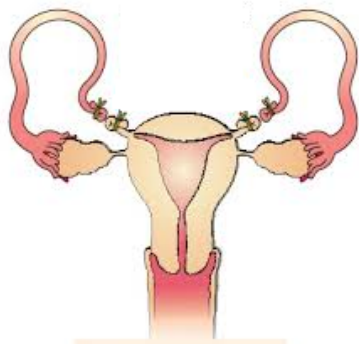
2. REPRODUCTION IN LOWER AND HIGHER ANIMALS
MULTIPLE CHOICE QUESTIONS (1 MARK EACH)

- 1 The primary sex organ in human males is
A. prostate gland
B. seminal vesicle
C. penis
D. testis
- 2 Seminal fluid is ----- in nature.
A. acidic
B. neutral
C. sugary
D. alkaline
- 3 Which of the following is not a part of uterus?
A. body
B. cervix
C. fundus
D. cornua
- 4 Menarche, menstrual cycle and menopause are controlled by-----
A. thyrotropic hormone
B. gonadotropic hormone
C. somatotropic hormone
D. corticotropin
- 5 Nebenkern is -----
A. acrosome of sperm
B. neck of sperm
C. middle piece of sperm
D. mitochondrion of sperm
- 6 Nervous system develops from..... of embryonic layer.
A. endoderm
B. chorion
C. ectoderm
D. mesoderm
- 7 The average period of pregnancy in human lasts for..... days of pregnancy.
A. 280
B. 270
C. 266
D. 290
- 8 is not a permanent method of birth control.
A. vasectomy
B. tubectomy
C. withdrawal
D. castration
- 9 The organism which causes Gonorrhoea is.....
A. *Treponema*
B. Neisseria
C. *Entamoeba*
D. *Salmonella*
- 10 How many pairs of testis are present in human male?
A. 2 pairs
B. 1 pair
C. only one testis
D. only one ovary

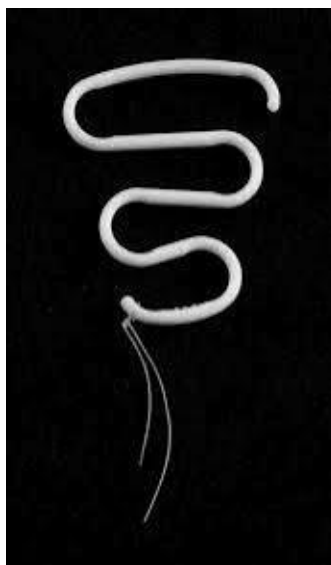
11. The animals produced by asexual reproduction are to their parents.
- A. genetically similar
 - B. morphologically similar
 - C. morphologically and genetically similar**
 - D. neither morphologically nor genetically similar
12. Asexual reproduction by gemmule formation occurs in
- A. Sponges**
 - B. *Hydra*
 - C. Yeast
 - D. *Planaria*
13. The aggregate of dormant cells capable of developing into new organism in gemmule is called as
- A. Archegonial cells
 - Archegonial cells
 - C. Archaeocytes**
 - D. Sporogenous tissue

VERY SHORT ANSWER TYPE QUESTIONS (1 MARK EACH)

- 1 What is gemmule?
- 2 By which method corals reproduce?
- 3 Name the enzyme secreted by the prostate gland.
- 4 What is glans penis?
- 5 What is atresia with respect to ovary in human females?
- 6 Name the hydrolytic enzyme secreted by the acrosome.
- 7 What is morula?
- 8 What is the function of inner cell mass?
- 9 Name the embryonic layer from which heart, blood and blood vessels develop.
- 10 Identify the permanent birth control method in the given diagram.

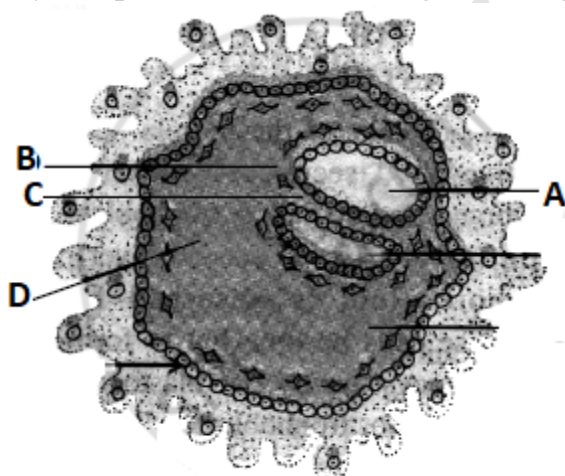


- 11 What is the use of tablet 'Saheli'?
- 12 Identify the IUD in the given diagram.



SHORT ANSWER TYPE (SA-I) QUESTIONS (2 MARKS EACH)

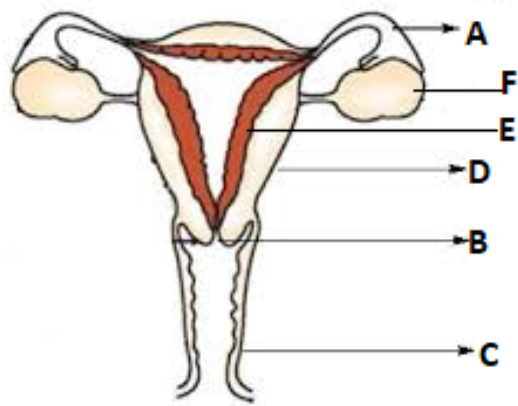
- 1 Draw a well labelled diagram of gemmule.
- 2 Write a note on budding.
- 3 Draw a well labelled diagram of L.S. human testis.
- 4 Describe the structure of Graafian follicle.
- 5 Write a short note on fallopian tube.
- 6 Give an account of external genitalia in human females.
- 7 Explain the structure of secondary oocyte.
- 8 Write an account of cleavage during embryonic development in humans.
- 9 Identify the parts labelled in the given diagram.



- 10 What is lactation? Which hormone is responsible for its regular secretion?
- 11 Mention any two different goals of RCH programme.
- 12 What is MTP? Upto which month it is permitted?

SHORT ANSWER TYPE QUESTIONS (SA-II) (3 MARKS EACH)

- 1 Explain various methods of asexual reproduction in lower animals.
- 2 Describe the histology of testis with help of labelled diagram.
- 3 Identify the labels from the given diagram.



- 4 Describe the histological structure of human ovary (diagram not expected).
- 5 Explain the structure of human sperm with labelled diagram.
- 6 Describe the process of oogenesis in human female.
- 7 Write a note on implantation.
- 8 Human pregnancy shows three prominent trimesters. Answer the following question based on these trimester.
 - i) What is morning sickness during first trimester?
 - ii) Name the hormone secrete in second trimester.
 - iii) The organ which secretes hormone in second trimester is...
- 9 Explain the process of parturition.
- 10 Explain any three measures to achieve goals of RCH.
- 11 Explain any three methods that can be used to overcome infertility.

LONG ANSWER TYPE QUESTIONS(LA) (4 MARKS EACH)

- 1 Write an account of seminal vesicle and bulbourethral gland in male reproductive system.
- 2 Explain ovarian cycle with its different phases.
- 3 Describe the process of spermatogenesis with the help of a diagram.
- 4 Explain mechanism of fertilization in humans.
- 5 Write in detail any four temporary methods of birth control.