

## EXERCISE

1. Which one is a primary sex organ ?  
(1) Scrotum (2) Penis  
(3) Testis (4) Prostate gland
2. Secondary sex organ is  
(1) Testis (2) Ovary  
(3) Beard (4) Vas deferens
3. In mammals, the testes are located in  
(1) Abdominal cavity  
(2) Thoracic cavity  
(3) Extra-abdominal cavity  
(4) Pericardial cavity
4. Seminiferous tubules occur in the  
(1) liver (2) kidney  
(3) ovary (4) testis
5. Temperature of scrotum as compared to abdominal cavity is less by  
(1) 1°C (2) 5°C  
(3) 3°C (4) 10°C
6. Which is unpaired gland in male reproductive system of human ?  
(1) Bartholin gland (2) Seminal vesicle  
(3) Prostate gland (4) Cowper's gland
7. Spermatozoa are nourished during their development by  
(1) Sertoli cells  
(2) Interstitial cells  
(3) Connective tissue cells  
(4) None
8. Lower narrow end of uterus is called  
(1) Urethra (2) Cervix  
(3) Clitoris (4) Vulva
9. Endometrium is lining of  
(1) Testis  
(2) Urinary bladder  
(3) Uterus  
(4) Ureter
10. Clitoris is present at the upper junction of :-  
(1) Labia majora  
(2) Mons pubis  
(3) Perineum  
(4) Labia minora
11. Which piece of a sperm is called power house ?  
(1) Head piece (2) Neck piece  
(3) Middle piece (4) Tail piece
12. The acrosome plays a role in :-  
(1) Fusion of nuclei of gametes  
(2) Motility of sperm  
(3) Penetration of sperm into ovum  
(4) All of the above
13. Which part of the spermatid forms acrosome of sperm ?  
(1) Mitochondria (2) Golgi body  
(3) Nucleus (4) Lysosome
14. A mature sperm has  
(1) A pair of flagella  
(2) A nucleus, an acrosome and a centriole  
(3) A nucleus, an acrosome, a pair of centrioles  
(4) A nucleus, an acrosome, a pair of centrioles and a tail.
15. Graafian follicle are found in  
(1) Testis of mammal  
(2) Ovary of frog  
(3) Ovary of cockroach  
(4) Ovary of mammals
16. Graafian follicle contains  
(1) Many oocytes  
(2) Many sperms  
(3) A single oocyte  
(4) Site for egg fertilisation
17. In mammals, corpus luteum is found in which organ  
(1) Brain (2) Ovary  
(3) Liver (4) Eyes
18. Antrum is filled with fluid and is found in  
(1) Bone-marrow of bone  
(2) Cavity of brain  
(3) Graafian follicle of ovary  
(4) Pericardium of heart
19. Corpus luteum is  
(1) Excretory (2) Endocrine  
(3) Digestive (4) Reproductive
20. Ovulation hormone is :  
(1) FSH (2) ICSH  
(3) LH (4) Testosterone
21. Progesterone level falls leading to  
(1) Gestation  
(2) Menopause  
(3) Lactation  
(4) Menstruation

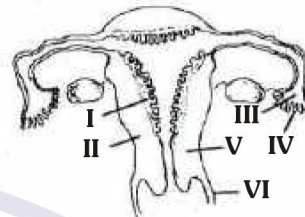
# HUMAN REPRODUCTION

- 22.** In uterus, endometrium, proliferates in response to  
(1) Relaxin (2) Oxytocin  
(3) Progesterone (4) Oestrogen
- 23.** Polyspermy is normally prevented by  
(1) The fertilizin and antifertilizin reaction  
(2) Repulsion of excess number of sperm by ova  
(3) Inability of some sperm to penetrate ova  
(4) Formation of fertilization membrane
- 24.** Cell division in zygote is called -  
(1) Cleavage (2) Segmentation  
(3) Cellulation (4) All the above
- 25.** Cleavage start in  
(1) Fallopian tube (2) Uterus  
(3) Vagina (4) None
- 26.** Cells formed as a result of cleavage are called  
(1) Megameres (2) Micromeres  
(3) Blastoderm (4) Blastomeres
- 27.** Sugar fructose is present in the secretion of  
(1) Seminal vesicle (2) Perineal gland  
(3) Cowper's gland (4) Bartholin's gland
- 28.** Secretions from which one of the following are rich in fructose, calcium and some enzymes?  
(1) Salivary glands  
(2) Female accessory glands  
(3) Male accessory glands  
(4) Liver
- 29.** Testes descent into scrotum in mammals for  
(1) Spermatogenesis  
(2) Fertilization  
(3) Development of sex organs  
(4) Development of visceral organs.
- 30.** During spermatogenesis how many spermatozoa are formed from a single primary spermatocyte  
(1) 1 (2) 2 (3) 4 (4) 8
- 31.** Pregnancy hormone is :-  
(1) Estrogen (2) Progesterone  
(3) LH (4) FSH
- 32.** During pregnancy, the urine of female would contain  
(1) LH (2) Progesterone  
(3) FSH (4) HCG
- 33.** Site of fertilization in mammal is  
(1) ovary (2) uterus  
(3) vagina (4) fallopian tube
- 34.** Solid ball of cell produced by repeated cleavage is called  
(1) Gastrula (2) Blastula  
(3) Morula (4) Neurula
- 35.** Placenta is the region where  
(1) Foetus is attached to mother by spermatic cord  
(2) Foetus is provided with mother's blood  
(3) Foetus receives nourishment from mother's blood  
(4) foetus is covered by membranes.
- 36.** The expulsion of completely developed foetus from the uterus is known as  
(1) ovulation (2) oviposition  
(3) gestation (4) parturition
- 37.** Parturition canal in female is called :  
(1) Uterus (2) Oviduct  
(3) Vagina (4) Urethra
- 38.** In parturition process, which of the following does not happen?  
(1) Oxytocin hormone is secreted by posterior pituitary  
(2) Relaxin hormone responsible for narrowing of pelvic cavity  
(3) Progesterone hormone secretion is stopped  
(4) General position of foetus is occipitoanterior.
- 39.** Foetal ejection reflex in human female is induced by :-  
(1) Differentiation of mammary glands  
(2) Pressure exerted by amniotic fluid  
(3) Release of oxytocin from pituitary  
(4) Fully developed foetus and placenta
- 40.** Oxytocin is mainly help in :-  
(1) Milk production  
(2) Child birth  
(3) Urine formation  
(4) Gametogenesis
- 41.** The *correct* sequence of spermatogenetic stages leading to the formation of sperms in a mature human testis is :-  
(1) Spermatogonia – Spermatid – Spermatocyte – Sperms  
(2) Spermatocyte – Spermatogonia – Spermatid – Sperms  
(3) Spermatogonia – Spermatocyte – Spermatid – Sperms  
(4) Spermatid – Spermatocyte – Spermatogonia – Sperms

# HUMAN REPRODUCTION

- 42.** The part of Fallopian tube closest to the ovary is:  
 (1) Ampulla (2) Isthmus  
 (3) Infundibulum (4) Cervix
- 43.** The signals for parturition originate from :  
 (1) Fully developed foetus only  
 (2) Placenta only  
 (3) Placenta as well as fully developed foetus  
 (4) Oxytocin released from maternal pituitary
- 44.** The second maturation division of the mammalian ovum occurs :  
 (1) In the Graafian follicle following the first maturation division  
 (2) Shortly after ovulation before the ovum makes entry into the Fallopian tube  
 (3) Until after the ovum has been penetrated by a sperm  
 (4) Until the nucleus of the sperm has fused with that of the ovum
- 45.** If for some reason, the vasa efferentia in the human reproductive system get blocked, the gametes will not be transported from :-  
 (1) Testes to epididymis  
 (2) Epididymis to vas deferens  
 (3) Ovary to uterus  
 (4) Vagina to uterus
- 46.** The testes in humans are situated outside the abdominal cavity inside a pouch called scrotum. The purpose served is for :-  
 (1) Maintaining the scrotal temperature lower than the internal body temperature  
 (2) Escaping any possible compression by the visceral organs.  
 (3) Providing more space for the growth of epididymis  
 (4) Providing a secondary sexual feature for exhibiting the male sex.

- 47.** The figure given below depicts a diagrammatic sectional view of the female reproductive system of humans. Which one set of three parts out of I–VI have been correctly identified ?



- (1) (II) Endometrium, (III) Infundibulum, (IV) Fimbriae  
 (2) (III) Infundibulum, (IV) Fimbriae, (V) Cervix  
 (3) (IV) Oviducal funnel, (V) Uterus, (VI) Cervix  
 (4) (I) Perimetrium, (II) Myometrium, (III) Fallopian tube
- 48.** In a normal pregnant woman, the amount of total gonadotropin activity was assessed. The result expected was :-  
 (1) High levels of FSH and LH in uterus to stimulate endometrial thickening  
 (2) High levels of circulating HCG to stimulate estrogen and progesterone synthesis  
 (3) High level of circulating FSH and LH in the uterus to stimulate implantation of the embryo  
 (4) High level of circulating HCG to stimulate endometrial thickening
- 49.** Several hormones like hCG, hPL, estrogen, progesterone are produced by :-  
 (1) Fallopian tube (2) Pituitary  
 (3) Ovary (4) Placenta
- 50.** Pregnancy test is done by presence of :-  
 (1) hCG (2) hPL  
 (3) Progesterone (4) LH

## ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	3	4	3	4	3	3	1	2	3	4	3	3	2	4	4
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	1	2	3	2	3	4	4	4	4	1	4	1	3	1	3
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	2	4	4	3	3	4	3	2	4	2	3	3	3	3	1
Que.	46	47	48	49	50										
Ans.	1	2	2	4	1										