GRADE- XII

WORKSHEET

TOPIC:\_\_\_\_HUMAN REPRODUCTION

Question 1.  
Ovulation in the human female normally takes place during the menstrual cycle  
(a) at the mind secretory phase  
(b) just before the end of the secretory phase  
(c) at the beginning of the proliferative phase  
(d) at the end of the proliferative phase.

Question 2.  
After ovulation Graafian follicle regresses into  
(a) corpus atresia  
(b) corpus callosum  
(c) corpus luteum  
(d) corpus albicans  
Question 3.  
Immediately after ovulation, the mammalian egg is covered by a membrane known as  
(a) chorion  
(b) zona pellucida  
(c) corona radiata  
(d) vitelline membrane.  
Question 4.  
Which one of the following events is correctly matched with the time period in a normal menstrual cycle ?  
(a) Release of egg : 5 th day  
(b) Endometrium regenerates : 5 – 10 days  
(c) Endometrium secretes nutrients for implantation: 11 – 18 days  
(d) Rise in progesterone level : 1 – 15 days

Question 5.  
If mammalian ovum fails to get fertilised, which one of the following is unlikely ?  
(a) Corpus luteum will distintegrate.  
(b) Progesterone secretion rapidly declines.  
(c) Estrogen secretion increases.  
(d) Primary follicle starts developing.

Question 6.  
A human female reaches menopause aroung the age of  
(a) 50 years  
(b) 15 years  
(c) 70 years  
(d) 25 years.

Question 7.  
A reaction of granules content which harden the zona pellucida and ensures sure block to polyspermy is  
(a) acrosomal reaction  
(b) cortical reaction  
(c) acrosin reaction  
(d) binding reaction

Question 8.  
Which part of the sperm plays an important role in penetrating the egg membrane ?  
(a) Allosome  
(b) Tail  
(c) Autosome  
(d) Acrosome

Question 9.  
In oocyte secondary maturation occurs in  
(a) ovary  
(b) abdominal cavity  
(c) Fallopian tube  
(d) uterus.

Question 10.  
Besides activating the egg another role of a sperm is to carry to egg  
(a) RNA  
(b) mitochondria  
(c) DNA  
(d) ribosomes.

Question 11.  
Preparation of sperm before penetration of ovum is  
(a) spermiation  
(b) cortical reaction  
(c) spermiogenesis  
(d) capacitation.

Question 12  
Spermiation is the process of the release of sperms from  
(a) seminiferous  
(b) vas deferens  
(c) epididymis  
(d) prostate gland

Question 13.  
Mature Graafian follicle is generally present in the ovary of a healthy human female around  
(a) 5-8 day of menstrual cycle  
(b) 11-17 day of menstrual cycle  
(c) 18-23 day of menstrual cycle  
(d) 24-28 day of menstrual cycle.

Question 14.  
Acrosomal reaction of the sperm occurs due to  
(a) its contact with zona pellucida of the ova  
(b) reactions within the uterine environment of the female  
(c) reactions within the epididymal environment of the male  
(d) androgens produced in the uterus.

Question 15.  
Which one of the following is not a male accessory gland ?  
(a) Seminal vesicle  
(b) Ampulla  
(c) Prostate  
(d) Bulbourethral gland