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ASSIGNMENT..

Question:Write short note on semen and Testosterone..

1-Semen is also known as seminal fluid, is an organic fluid that contains spermatozoa.it is secreted by the gonads(sexual glands)and other sexual organs of male or hermaphroditic animals and can fertilize the female ovum,it carries sperm or the spermatozoa and fructose and other enzymes that help the sperm to survive to facilitate successful fertilization..The process that results in the discharge of semen is called ejaculation.

The whitish opalescence is due to the large amount of protein that it contains and it's slightly turbid appearance is due to the

spermatozoa contained within it.

PROCESS OF EJACULATION

Semen is released during the process of ejaculation and is processed in the seminal vesicle in the pelvis,which is where it is produced..

HOW DOES EJACULATION OCCUR?

Ejaculation is controlled by the central nervous system and occurs when there is friction on the genitalia and other forms of sexual stimulation.The stimuli lead to impulse that are sent up the spinal cord and into the brain.

TWO PHASES OF EJACULATION

Ejaculation has two phases:
Phase1:emission in which the vas deferens(the tube that store and transport sperm from the testes)contract to squeeze the sperm toward the base of the penis through the prostate gland and into the urethra.The seminal vesicles release their part of the

semen that combine with the sperm.The ejaculation is unstoppable at this stage..
Phase2:ejaculation in which the muscles at the base of the penis and urethra contract.This leads to forcing the semen out of the penis(ejaculation and orgasm)and this phase also has a bladder neck contraction.The bladder neck contracts to prevent the back flow of the semen into the urinary tract.Dry orgasm can occur even without delivery of semen(ejaculation)from the penis.Erection declines normally following ejaculation..

The semen travels through the ejaculatory ducts and mixes with fluids from the seminal vesicles,the prostrate and the bulbourethral glands..

2-Testosterone is the primary male sex hormone and anabolic steroid.in male humans testosterone plays a key role in

the development of male reproductive tissues such as testes and prostate,as well as promoting secondary sexual characteristics such as increased muscles and bone mass,and growth of body hair.In addition testosterone is involved in health and well being and prevention of osteoporosis.insufficient level of testosterone in men may lead to abnormalities including frailty and bone loss..

Testosterone is a steroid from androstane class containing a keto and hydroxyl groups at position three and seventeen,it is a biosynthesized in several steps from cholesterol and converted in the liver to inactive metabolites.its extract it’s action through binding to and activation of androgen receptor..