



SUCCESS KEY TEST SERIES

X (English)

(Unit test Science-2 (ch-1,2,3))

Science And Technology - II-

DATE:

TIME: 1 hrs

MARKS: 20

SEAT NO:

Q.1 A) Solve the following questions. (2)

1) State True or False

The occurrence of menstrual cycle is related with reproductive and overall health of women.

2) Pollen grains contain germ cells of a plant.

B) Choose the correct alternative and rewrite the sentence (3)

1) Vestigial organ present in human body is proof of evolution.

a. Gradual development b. Appendix c. Gene d. Ribosome

2) Which sex chromosomal combination in the zygote is responsible for the formation of testes?

a. XX b. XO c. XXY d. XY

3) The proof for the fact that protein synthesis occurs through was given by George Beadle and Edward Tatum.

a. Gene b. Ribosome c. RNA d. Transcription

Q.2 Solve the following questions. (Any two) (4)

1) Use of condoms is a good contraceptive method.

2) Give examples of any two Pisces and two Aves.

3) What are sperms ? Explain the structure of a sperm ?

Q.3 Solve the following questions. (Any two) (6)

1) Trace the path of a sperm from the testis to the exterior of the human body.

(ejaculatory duct, epididymis, vas deferens, urinogenital duct, vas eferens, urinogenital duct, penis)



2) Fill in the blanks and explain the statements.

For formation of plasma membrane, molecules are necessary.

3) Fill in the paragraph.

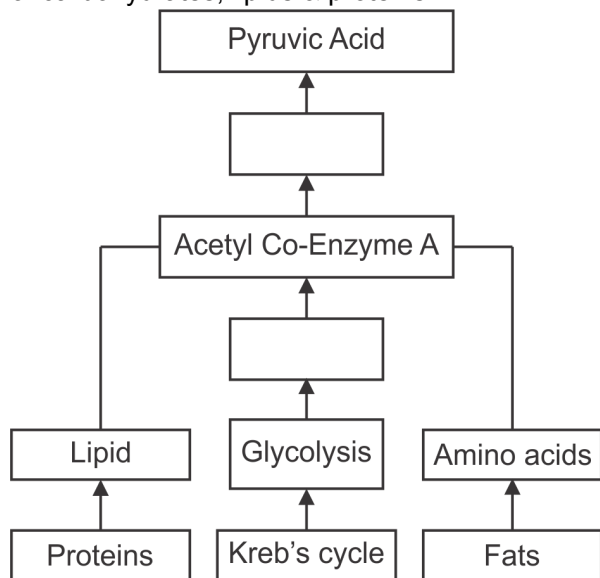
(Luteinizing hormone, endometrium of uterus, follicle stimulating hormone, estrogen, progesterone, corpus luteum)

Growth of follicles present in the ovary occurs under the effect of This follicle secretes estrogen. grows/regenerates under the effect of estrogen. Under the effect of, fully grown up follicle bursts, ovulation occurs is formed from remaining part of follicle. It secrets and Under the effect of these hormones, glands of are activated and it becomes ready for implantation.

Q.4 Answer in brief (Any one)

(5)

- 1) Redraw the flow-chart with corrections. Explain in brief the process of obtaining energy through oxidation of carbohydrates, lipids & proteins.



- 2) Arrange the following in the given Anaerobic respiration in living organisms/cells chart.
 (Various Microbes, Erythrocytes, Muscle cells, Yeast, Different Products Ex: Vinegar, Vitamins, etc., Lactic acid, Alcohol, Pyruvic acid, Glycolysis, Glucose)

