

T.Y.B.Sc. Semester VI

Zoology Paper II(PHYSIOLOGY AND TISSUE CULTURE)

QUESTION BANK (including all units)

1. Gigantism and acromegaly are due to _____
 - a) Hyperthyroidism
 - b) **Hyperpituitarism**
 - c) Hypopituitarism
 - d) Hypothyroidism
2. _____ are the chemical messenger secreted by endocrine cells.
 - a) **Hormones**
 - b) **Stimulus**
 - c) **Receptor**
 - d) **Cells**
3. _____hormone is produced by the zona reticularis.
 - a) LH
 - b) **Androstenedione**
 - c) FSH
 - d) Melatonin
4. _____ Is the process that eradicates all the microorganisms from instruments, surface or culture media.
 - a) **Sterilization**
 - b) Dry heat
 - c) Autoclave
 - d) Isolation
5. _____ is a cell line.
 - a) Multilayer culture
 - b) Transformed cells

- c) Multiple growth of cells
 - d) **Sub culturing of primary culture**
6. _____ the type of culture which is prepared by inoculating directly from the tissue of an organism to culture media.
- a) **Primary cell culture**
 - b) Secondary cell culture
 - c) Cell lines
 - d) Transformed cell culture
7. _____ is a sensor which is sensitive to a particular environmental change .
- a) **Receptor**
 - b) Inhibitor
 - c) Condition
 - d) Stimulus
8. _____ is an integration centre that receives and processes the information supplied by the receptor that send out commands.
- a) Inhibitor
 - b) Condition
 - c) **Control centre**
 - d) action
9. _____ is one of the most important metabolites in the Blood.
- a) Vitamin
 - b) Mineral
 - c) Protein
 - d) **Glucose**
10. _____ group are metal ions.
- a) **Prosthetic**
 - b) Activator
 - c) Kinetic
 - d) Biocytin
11. The first patent for enzyme based detergent was obtained in _____.

- a) 1987
 - b) 1914
 - c) **1913**
 - d) 1934
12. _____ is the study of enzymes catalyzed reactions.
- a) Allosteric
 - b) Autograft
 - c) Enzyme kinetics
 - d) Inhibitor
13. Feedback loops are important because they allow living organisms to _____.
- a) **Maintain homeostasis.**
 - b) Hormone control
 - c) Disease control
 - d) Blood pressure
14. Normal human body temperature is approximately _____.
- a) **98.6°F.**
 - b) 99.6°F.
 - c) 97.5°F.
 - d) 92.2°F.
15. _____ fat is a special thermogenic tissue present in mammals.
- a) Yellow fat
 - b) Red fat
 - c) **Brown fat**
 - d) White fat