

**TELANGANA UNIVERSITY**  
**S.S.R. DEGREE COLLEGE, NIZAMABAD (C.C:5029)**  
**IV SEMESTER INTERNAL ASSESSMENT-II EXAMINATIONS**  
**DEPARTMENT OF ZOOLOGY**  
**(ENDOCRINOLOGY)**  
**QUESTION BANK**

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**I. Multiple choice questions**

**10 X ½= 5 Marks**

1. Over secretion of thyroxin in children causes ( B )  
A. Acromegaly      B. Cretinism      C. Hypertension      D. Goiter
2. Metomorphosis can be accelerated by ( A )  
A. I<sub>2</sub>      B. P      C. K      D. Ca
3. Mainly Hormones are \_\_\_\_\_ types ( B )  
A. 4      B.3      C. 6      D. 2
4. The term hormone was suggested by ( B )  
A. Carlson      B. Starling      C. Addison      D. Best
5. Father of endocrinology ( B )  
A. Starling      B. Addison      C. Sanger      D. Best
6. Hormone is ( C )  
A. Secretion of an exocrine gland      B. An enzyme  
C. A chemical messenger      D. None
7. The hormone which controls & regulales calcium level in the body ( B )  
A. Thyorin      B. Parathormone      C. Oxytoxin      D.None
8. Acetylcholine is ( B )  
A. Growth Hormone      B. Neuro transmitter  
C. Anti stress hormone      D. Sex Hormone
9. ( D )  
A. Progesterone      B. Estrogen      C. A only      D. Both
10. Which hormone reduce appetite ( A )  
A. Leptin      B. Ghrelin      C. Thyroid      D. Adrenaline
11. Obesity increases the risk of dev\_\_\_\_\_ ( A )  
A. Type -2 diabetes      B. Type – I diabetes      C. Both      D. None
12. Intracellular receptors are located ( D )  
A. Within the cell      B. Cytoplasm      C. Nucleus      D. All

13. Which of these is not a steroid hormone ( D )  
 A. Testosterone B. Progesterone C. Thyroid d. Insulin
14. Oxytocin is a ( B )  
 A. Peptide hormone B. Amine Hormone C. Steroid hormone
15. \_\_\_\_\_ Hormone induces uterine contractions ( B )  
 A. Testosterone B. Oxytocin C. Insulin D. All
16. Corticosteroids are used to treat ( D )  
 A. inflammation, B. asthma C. Arthritis D. All
17. Which of these is a disorder of female genital ( A )  
 A. PCOS B. Hirsutism C. Amenorrhoea D. All
18. Hypogonadism is a condition caused due to less secretion of ( A )  
 A. Testosterone B. Cortisol C. A, B D. Insulin
19. \_\_\_\_\_ caused by excess male Hormone in female ( B )  
 A. Goiter B. Hirsutism C. Cretinism D. None
20. Which hormones are responsible for regular menstrual structure cycle ( D )  
 A. Estrogen, Progesterone B. FSH LH C. A only D. A, B

## II. Fill in the Blanks

10 X ½ = 5 Marks

1. Males release pheromones during the time Night (during the dark period of the light)
2. Hormones are made up of "Proteins"
3. Example for Amine hormone "Epinephrine"
4. Chemical nature of the pheromones "Fatty acids Alcohol & Proteins"
5. Adipokines secreted by Adipose tissue
6. LDL Means "Low density lipoprotein"
7. Osteoarthritis is a degenerating joint disease due to excess weight
8. Leptin & Ghrelin are produced by Fat cells
9. Gynecomastia is a "Disorder of male gonads"

10. Absence of menstrual period in female who has reached reproductive age called

**“Amenorrhoea”**

11. PCOS – **Polycystic ovarian syndrome**

12. **HCG** hormone used for pregnancy test

13. IVF means **In vitro fertilization**

14. Epinephrine plays a crucial role in the **Flight or fight** response

15. Hypergonadism is over activity of **Gonads**

16. Early baldness causes premature hair loss

17. Dyslipidemia refers to **Abnormal cholesterol levels**

18. Obesity causes Breast, **Colon, endometrial & kidney** cancer

19. Leptin reduces **Appetite**

20. Normal blood sugar levels after meals “100mg and Before meal “ **140 mg/dL**”

### **III. One word answers**

**5X 1 = 5 Marks**

1. Pheromones ?

A. Pheromones are chemical substances emitted by animals that trigger specific behaviors. They are used for various purposes including reproduction.

2. Hormones in IVF ?

A. Key hormones include FSH which promotes egg growth & luteinizing hormone which triggers ovulation & progesterone, Estrogen & HCG.

3. Hormones in Apiculture ?

A. Two key hormones are juvenile hormones (JH) and ecdysone.

4. What is obesity ?

A. It is a medical condition characterized by an excessive fat amount in the body caused by imbalance between energy intake & energy expenditure

5. Dyslipidemia ?

A. This refers to abnormal cholesterol levels, including high LDL (bad) cholesterol & low HDL (good) cholesterol can lead to the build up of plaque in arteries increasing the risk of heart disease & stroke

6. Role of hormones in obesity ?

A. Hormones play a significant role in obesity influencing appetite, metabolism & fat distribution.

7. Prediabetes ?

A. This is a condition where blood sugar levels are higher than normal but not high enough to be diagnosed as diabetes often a precursor to type 2 diabetes.

8. Classification of hormones ?

A. Hormones can be classified based on their chemical structure into three main types steroid hormones, peptide hormones & amine hormones

9. What are amine hormones ?

A. Amine hormones are a class of hormones derived from amino acids, primarily tryptophan and tyrosine these are water soluble.

10. What do you mean by peptide hormone ?

A. Peptide hormones are water – soluble molecules that can range from 3 to 200 amino acids & linked by peptide bonds.

#### **IV. Assignment**

**1X 5 =5 Marks**