

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM****B.Sc(ALLIED HEALTH SCIENCES) DEGREE EXAMINATIONS - February 2020****First Semester****GENERAL PHYSIOLOGY / HUMAN PHYSIOLOGY**

Three Hours

Maximum: 70 marks

**SECTION - A****I. Choose the Best Answer :****(10 x 1 = 10)**

1. Smooth Endoplasmic reticulum forms \_\_\_\_\_  
a) Protein      b) Lipids      c) CHO      d) Vitamins
2. The property of the motor nerve is \_\_\_\_\_  
a) Conductivity    b) Contractility    c) Autorhythmicity    d) Clonus
3. Increase RBC count is called \_\_\_\_\_.  
a. Anemia      b) Leukocytosis    c) Polycythemia    d) Leukemia
4. Jaundice is detectable when the total plasma bilirubin is greater than  
a) 2 gm/dl      b) 5 mg/dl      c) 2 mg/dl      d) 6 gm/dl
5. The normal GFR is \_\_\_\_\_  
a) 125 mL/h      b) 125 mL/day    c) 125 L/min      d) 125 L/day
6. The thyroid gland weighs around \_\_\_\_\_.  
a) 150 mg      b) 222 mg      c) 20 g      d) 40 g
7. FSH is secreted from \_\_\_\_\_.  
a) Anterior pituitary    b) Posterior pituitary    c) Ovary      d) Placenta
8. The Fertilized ovum is called \_\_\_\_\_.  
a) Trophoblast    b) Graffian follicle    c) Zygote      d) Granulosa cell
9. \_\_\_\_\_ are called resistance vessels.  
a) Arteriole      b) Veins and venules    c) Capillaries    d) Large-sized arteries
10. Distant vision is tested by \_\_\_\_\_.  
a) Snellen's chart    b) Jaeger's chart    c) Ishihara's chart    d) Color ribbon

**II. Answer All Questions:****(10 x 2 = 20)**

11. Define osmosis.
12. Lambert Eaton syndrome.
13. Types of salivary glands.
14. Deglutition apnea.
15. Renal circulation.
16. Myxedema.
17. hCG.

**(p.t.o)**

18. Sinus arrhythmia.
19. Wolf Parkinson white syndrome.
20. Nystagmus.

**III. Write Short Essays on any FIVE of the following:**

**(5 x 6 = 30)**

21. Mitochondria .
22. Platelets.
23. Cushing syndrome.
24. Functions of ADH.
25. Difference between Red and white muscle.
26. Gastric motility.
27. Contraceptives.

**IV. Write Essays on any ONE of the following:**

**(1 x 10 = 10)**

28. Explain the Haemostasis and add a note on Bleeding disorders.
29. Define a nephron. Mention the parts, structure and its functions with a neat diagram. Add a note on the non excretory functions of the kidney.
30. Explain the Oogenesis.

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