

S.No. M21729

Course Code:

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VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.Sc(ALLIED HEALTH SCIENCES) & M.Sc (Integrated Programs in
Cardiac Technology) DEGREE EXAMINATIONS -August 2019

First Year
PHYSIOLOGY

Three Hours

Maximum: 75 marks

SECTION - A

I. Choose the Best Answer :

(10 x 1 = 10)

1. Transport of sodium and glucose is an example of _____.
a) Antiport. b) Symport. c) Uniport. d) Diffusion.
2. Life span of an RBC is _____.
a) 100 days. b) 102 days. c) 120 days. d) 135 days.
3. Digestion of fats does not take place in _____.
A) the stomach. C) the duodenum.
B) the mouth. D) the ileum.
4. The hormone produced from the kidney is _____.
a) Gastrin. b) Erythropoietin. c) Aldosterone. d) ADH.
5. Adrenal cortical hormones are _____.
a) Steroids. b) Polypeptides. c) Glycolipids. d) Carbohydrates.
6. GnRH is secreted from _____.
a) Anterior pituitary. b) Posterior pituitary.
c) Hypothalamus. d) Ovary.
7. Normal tidal volume is _____.
a) 300 mL. b) 500 mL. c) 700 mL. d) 1000 mL.
8. In pulmonary circulation, the blood is pumped from _____.
a) Right atrium. b) Right ventricle. c) Left atrium. d) Left ventricle.
9. Nissl granules are also called _____.
a) Tigroid bodies. b) Carotid body. c) Neuroglia. d) Betz cells.
10. Astigmatism is corrected by _____.
a) Concave lens. b) Convex lens. c) Cylindrical lens. d) Bifocal lens.

II. Write Short Answers on any FIVE of the following:

(5 x 5 = 25)

11. B lymphocytes and immunity.
12. Micturition Reflex.
13. Gigantism.
14. Functions of oestrogen.

(p.t.o)

15. Cyanosis.
16. Triple response.
17. Pain pathway.

III. Write Short Essays on any TWO of the following: (2 x 10 = 20)

18. Give an account of the physiology of neuromuscular transmission in skeletal muscle.
19. Explain the Haemostasis and add a note on Bleeding disorders.
20. 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.
21. Define cardiac output and explain the various factors controlling it.

IV. Write Essays on any ONE of the following: (1 x 20 = 20)

22. Describe the composition, functions and regulation of gastric secretion and its applied aspect.
23. Describe the various nuclei, connections and functions of the thalamus. Add a note on thalamic syndrome.

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