

PAPER CODE: MB2019105

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FIRST M.B.B.S. INSTANT DEGREE EXAMINATION: JULY 2021**PHYSIOLOGY PAPER -I**

Time: 3 Hours

Max Marks:100

Note: Give Diagrammatic representation wherever necessary.

Write essay on the following: 2X15=30

A 60 year old male suddenly developed breathlessness and pain in the chest radiating to left shoulder. On examination, patient showed profuse sweating. Lab report shows increased creatine kinase.

- a) What is the diagnosis?
- b) What are the ECG changes?
- c) Write in detail about factors regulating coronary circulation?
- d) Draw a diagram of normal ECG?
- e) Add a note on R-R interval?

A 35 year old male person having symptom of epigastric pain experienced during empty stomach and relieved by taking food.

- a) What is the diagnosis?
- b) Discuss in detail about the mechanism of HCl secretion
- c) Describe the factors influencing HCl secretion?
- d) Add a note on Migrating motor complex.

Write short essay on the following: 8X5=40

3. Heart sounds
4. Role of physician in dealing with patient anxiety.
5. Neural regulation of Respiration.
6. Hypoxic Hypoxia
7. GFR-Definition and factors affecting it.
8. Diuretics
9. Hazards of mismatched blood transfusion
10. Humoral immunity

Write briefly on the following: 10X3-30

11. Vital capacity
12. Cheyne-stokes Respiration
13. Bohr effect
14. Functions of WBC
15. Erythropoietin
16. Haemophilia
17. Tubular maximum for Glucose (TmG)
18. Micturition Reflex
19. Positive feedback mechanism
20. Apoptosis
