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MBBS (Phase - I) Degree Examination - DEC-2014 Max. Marks: 100 Marks

Time: Three Hours

PHYSIOLOGY – Paper I (Revised Scheme) Q.P. CODE: 1053

Your answers should be specific to the questions asked Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

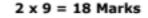
- Discuss short-term regulation of blood pressure.
- 2. Describe how expansion of thorax occurs during normal respiration.

SHORT ESSAYS

- Functions of macrophages
- Significance of Rh factor
- Digestive functions of pancreatic juice
- Describe the actions of bile.
- Regulation of salivary secretion
- Describe the dynamics of glomerular filtration.
- Conduction of impulse in human heart
- 10. Mean electrical axis of QRS vector
- 11. Timed vital capacity
- 12. Compare and contrast active transport with facilitated diffusion.

SHORT ANSWERS

- 13. Enlist four factors required for Erythropoiesis.
- 14. Enumerate four changes occurring during second stage of deglutition.
- 15. What is role of ADH in urine formation?
- 16. What is the cause of medullary hyper-osmolarity in kidney?
- 17. List the factors affecting airway resistance.
- 18. Types of blood vessels and their significance
- 19. Ventilation perfusion ratio what is it? Give its normal value.
- 20. Functions of conducting zone of respiratory tree
- 21. List two causes of increased bleeding time.
- 22. B₁₂ deficiency anaemia Give two salient features
- 23. Differentiate Reticulocyte from erythrocyte.
- 24. What is Dyspneic index?
- 25. Enumerate four factors affecting tissue fluid formation.
- 26. Draw and label glomerular membrane.
- 27. List four actions of CCK-PZ.
- 28. What is Cushing's reflex?



10 x 5 = 50 Marks

16 x 2 = 32 Marks



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