**Paper - C (CVS and Respiratory modules)**

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|  | **CVS** | **Respiratory** |  |
| **Subject** | **No. of MCQs** | **Topics from where Qs to be made** | **No. of MCQs** | **Topics from where Qs to be made** | **Total** |
| Gross Anatomy  | **9** | 1. Surface Anatomy
2. Coronary Circulation
3. Pericardium
4. Conduction system of the heart
 | **12** | 1. Gross anatomy of thorax
2. Abnormalities of thoracic wall
3. Diaphragm
4. Mediastinum
5. Introduction to respiratory system
6. Trachea, bronchi & lungs
7. Mechanics of respiration
8. Pleura
 | **21** |
| Histology  | **4** | 1. Histology of heart muscles
2. Histology of blood vessels
 | **4** | 1. Respiratory epithelium and connective tissues
2. Surfactant, alveolar septum, alveolar pores and alveolar macrophages
 | **8** |
| Embryology  | **5** | 1. Fetal circulation
2. Cardiac developmental anomalies
3. Development of arteries and veins
 | **3** | 1. Development of Diaphragm
2. Development of Ribs
3. Development of Respiratory system
4. Development of pleural cavity
 | **8** |
| Physiology  | **34** | 1. Cardiac muscles
2. Coronary circulation
3. Cardiac cycle
4. Cardiac output
5. Blood flow
6. Functions of heart valves
7. Lymphatic system
8. Blood Pressure
9. Circulatory Shock
10. Excitation and contraction of cardiac muscles
11. ECG
 | **20** | 1. Mechanics of Respiration
2. Lung compliance
3. Lung volumes and capacities
4. Functions of respiratory passage ways
5. Pulmonary ventilation
6. Pulmonary Circulation
7. Gas exchange
8. Transport of O2 and CO2 in the blood
9. Regulation of Respiration
10. Common Respiratory abnormalities
 | **54** |
| Biochemistry  | **14** | 1. Chemistry of Lipids | **8** | 1. Enzymes | **22** |
| Pathology | **1** | 1. Risk factors, and lab Diagnosis of CAD
2. Stages of atherosclerosis
 | **1** | 1. Pneumonias
2. Pulmonary Tuberculosis
3. Bronchial Asthma
4. Pulmonary Edema
 | **2** |
| Pharmacology  | **1** | 1. Groups of drugs used in the treatment of CAD
2. Mechanisms of drugs used in the treatment of Hypertension
 | **0**  | 1. Anti-Aashtmatic drugs2. Anti-Tuberculous drugs | **1** |
| Forensic medicine | **1** | 1. Medicolegal aspects of sudden death due to cardiovascular diseases
 | **1** | 1. Asphyxia | **2** |
| Community medicine | **1**  | 1. Prevention of CVD
2. Preventive strategies of hypertension
 | **1**  | 1. Prevention of Respiratory disorders | **2** |
| **Total**  | **70** |  | **50** |  | **120** |

CVS module (total 109 hours) Respiratory module total 65 hours)

\*total MCQs are distributed with a ratio of 1.7:1 (109:65)

! example=(30/120) x 50 (where 30 is the total no. of MCQ for gross anatomy in individual Respiratory module out of 120 MCQs and 50 is the total MCQs required for block assessment according to the ratio of 1.7:1)