

B.Sc. CARDIAC TECHNOLOGY

FIRST YEAR

Sub. Code: 1509

Paper II – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY RELATED TO CARDIAC TECHNOLOGY

### UNIT 3: SYSTEMIC PATHOLOGY, BLOOD VESSELS

#### 10m Questions (Elaborate on)

| Question                                                                                                                                 | Year          | Bloom's Taxonomy |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|
| Classify and mention the risk factors of hypertension. Briefly discuss about role of kidney in regulation of blood pressure.             | August 2017   | Analyze          |
| Classify and mention the risk factors of hypertension. Briefly discuss about role of kidney in regulation of blood pressure. (Duplicate) | March 2021    | Analyze          |
| Define atherosclerosis. Discuss about its major risk factors, pathogenesis and consequences.                                             | February 2018 | Understand       |
| Define vasculitis. Discuss about classification and characteristics of non-infectious vasculitis.                                        | February 2018 | Understand       |
| Define Atherosclerosis. Write briefly about etiopathogenesis and consequences of Atherosclerosis.                                        | February 2019 | Understand       |
| Define Aneurysm. Write in detail about the pathogenesis, morphology and complication of Aneurysm.                                        | February 2017 | Understand       |
| Define Aneurysm. Write in detail about the pathogenesis, morphology and complication of Aneurysm. (Duplicate)                            | March 2021    | Understand       |
| What is aneurysm? Name two causes of aneurysm and describe the morphology.                                                               | August 2017   | Understand       |

#### 5m Questions (Write Notes on)

| Question                                                         | Year          | Bloom's Taxonomy |
|------------------------------------------------------------------|---------------|------------------|
| Giant cell arteritis.                                            | August 2015   | Remember         |
| Giant cell arteritis. (Duplicate)                                | February 2020 | Remember         |
| Atherosclerosis.                                                 | February 2016 | Remember         |
| Draw and label the structure of atheromatous plaque.             | August 2016   | Apply            |
| Draw and label the structure of atheromatous plaque. (Duplicate) | November 2022 | Apply            |
| Takayasu arteritis.                                              | August 2016   | Remember         |
| Acute dissection of aorta.                                       | August 2016   | Understand       |
| Causes and complications of secondary hypertension.              | August 2016   | Analyze          |
| Types and causes of hypertension.                                | February 2017 | Remember         |

| Question                                                                   | Year          | Bloom's Taxonomy |
|----------------------------------------------------------------------------|---------------|------------------|
| Raynaud's phenomenon.                                                      | February 2017 | Remember         |
| Predisposing factors for pulmonary hypertension.                           | August 2017   | Analyze          |
| What are the causes of aortic dissection and describe the different types? | August 2018   | Understand       |
| What are the predisposing factors of hypertension?                         | August 2018   | Analyze          |
| Aortic dissection.                                                         | February 2019 | Remember         |
| Deep vein thrombosis.                                                      | February 2019 | Remember         |
| Raynaud phenomenon.                                                        | August 2019   | Remember         |
| Pathogenesis of Primary hypertension.                                      | April 2023    | Understand       |

### 3m Questions (Short Notes on)

| Question                                                    | Year          | Bloom's Taxonomy |
|-------------------------------------------------------------|---------------|------------------|
| Risk factors for atherosclerosis.                           | August 2015   | Remember         |
| Name any 3 causes of secondary hypertension.                | August 2015   | Remember         |
| Raynaud Phenomenon.                                         | August 2015   | Remember         |
| Takayasu Arteritis.                                         | February 2016 | Remember         |
| Aortic aneurysm.                                            | February 2016 | Remember         |
| Thromboangitis obliterans.                                  | August 2016   | Remember         |
| Takayasu Arteritis. (Duplicate)                             | February 2019 | Remember         |
| Raynaud phenomenon. (Duplicate)                             | February 2018 | Remember         |
| Varicose veins.                                             | February 2018 | Remember         |
| Endocrine causes of hypertension.                           | February 2018 | Remember         |
| Renin-Angiotensin mechanism.                                | February 2018 | Understand       |
| Major risk factors of atherosclerosis.                      | August 2017   | Remember         |
| Thromboangitis obliterans. (Duplicate)                      | August 2017   | Remember         |
| Wegner's granulomatosis.                                    | August 2018   | Remember         |
| Causes of lymphedema.                                       | August 2018   | Remember         |
| Atheromatous plaque.                                        | August 2018   | Remember         |
| Role of Renin in Hypertension.                              | August 2019   | Understand       |
| Enumerate non modifiable coronary risk factors.             | February 2016 | Remember         |
| Enumerate non modifiable coronary risk factors. (Duplicate) | February 2020 | Remember         |
| Enumerate non modifiable coronary risk factors. (Duplicate) | March 2021    | Remember         |
| Enumerate non modifiable coronary risk factors. (Duplicate) | April 2022    | Remember         |
| Churg-Strauss syndrome.                                     | August 2017   | Remember         |
| Churg-Strauss syndrome. (Duplicate)                         | April 2022    | Remember         |
| Pseudoaneurysm.                                             | February 2020 | Remember         |
| Dissecting aneurysm.                                        | April 2023    | Remember         |