

**M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE
APPLIED BASIC SCIENCES IN GENERAL MEDICINE
Q.P. Code : 202000**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

Write notes on

**Pages Time Marks
(Max.) (Max.) (Max.)**

I. ANATOMY

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|--|---|---|---|
| 1. Circle of Willis & its importance. | 3 | 9 | 5 |
| 2. Bronchopulmonary segments & its significance. | 3 | 9 | 5 |
| 3. Facial nerve -course & applied Anatomy. | 3 | 9 | 5 |
| 4. Microscopic structure of liver. | 3 | 9 | 5 |

II. PHYSIOLOGY

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|----------------------------------|---|---|---|
| 1. Conduction system of heart. | 3 | 9 | 5 |
| 2. Control of thyroid secretion. | 3 | 9 | 5 |
| 3. Urinary bladder control. | 3 | 9 | 5 |
| 4. Renal function tests. | 3 | 9 | 5 |

III. BIOCHEMISTRY

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|--|---|---|---|
| 1. Hydrochloric acid secretion in stomach. | 3 | 9 | 5 |
| 2. Bile pigment metabolism. | 3 | 9 | 5 |
| 3. Vitamin D-New concepts. | 3 | 9 | 5 |

IV. PHARMACOLOGY.

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|---|---|---|---|
| 1. Angiotensin receptor blockers-clinical use. | 3 | 9 | 5 |
| 2. Rosuvastatin-Indications, mechanism of action, benefits. | 3 | 9 | 5 |
| 3. Azithromycin-Indications, Adverse reactions. | 3 | 9 | 5 |

V. PATHOLOGY

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|--|---|---|---|
| 1. Acute hepatitis- gross structure & microscopic appearance. | 3 | 9 | 5 |
| 2. Post streptococcal glomerulonephritis-microscopic appearance. | 3 | 9 | 5 |
| 3. Structural lesions in Chronic bronchitis. | 3 | 9 | 5 |

VI. MICROBIOLOGY

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|--|---|---|---|
| 1. Structure and classification of Dengue virus. | 3 | 9 | 5 |
| 2. Lab diagnosis of tuberculosis. | 3 | 9 | 5 |
| 3. Microbiological diagnosis of Malaria. | 3 | 9 | 5 |
