



BRAINWARE UNIVERSITY
Department of Allied Health Sciences
Bachelor of Science in Operation Theater Technology (B.Sc. OTT) -2022
(As per UGC CBCS Template)

Semester-I

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|--|----------------|-----------------|-----------|----------------|
| BOTTC101 | Human Anatomy | CC1 | 4-0-0 | 4 | 100 |
| BOTTC102 | Human Physiology | CC2 | 4-0-0 | 4 | 100 |
| BOTTC103 | Introduction to Healthcare Delivery System in India | CC3 | 4-0-0 | 4 | 100 |
| BOTTC191 | Human Anatomy and Physiology- Practical | CC4 | 0-0-4 | 2 | 100 |
| GE | Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects) | GE1 | 4-0-0/ 5-0-0 | 4/5 | 200/100 |
| GE | Generic Elective -1 (Practical/Tutorial) | GE1 | 0-0-4/ 0-1-0 | 2/1 | |
| EVS101 | Environmental Science | AECC1 | 2-0-0 | 2 | 100 |
| Total | | | 28/26 | 22 | 700/600 |

Semester-II

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|--|----------------|------------------|-----------|----------------|
| BOTTC201 | Clinical Microbiology | CC5 | 4-0-0 | 4 | 100 |
| BOTTC202 | Biochemistry | CC6 | 4-0-0 | 4 | 100 |
| BOTTC203 | Pathology | CC7 | 4-0-0 | 4 | 100 |
| BOTTC204 | Clinical Pharmacology | CC8 | 4-0-0 | 4 | 100 |
| BOTTC205 | Medical Law and Ethics | CC9 | 4-0-0 | 4 | 100 |
| HU201 | English Communication | AECC2 | 1-0-0 | 1 | 50 |
| HU291 | English Communication - Practical | AECC2 | 0-0-2 | 1 | 50 |
| GE | Generic Elective-2 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects) | GE2 | 4-0-0/ 5-0-0 | 4/5 | 200/100 |
| GE | Generic Elective -2 (Practical/Tutorial) | GE2 | 0-0-4/ 0- 1-0 | 2/1 | |
| Total | | | 28/26 | 28 | 800/700 |



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Semester-III

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|--|----------------|-----------------|-----------|----------------|
| BOTTC301 | Medical Terminology and Record keeping (including anatomical terms) | CC10 | 4-0-0 | 4 | 100 |
| BOTTC302 | Medicine | CC11 | 4-0-0 | 4 | 100 |
| BOTTC303 | Principles of Anesthesia | CC12 | 4-0-0 | 4 | 100 |
| BOTTS381 | Clinical Observership I | SEC1 | - | 3 | 100 |
| GE | Generic Elective-3 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects) | GE3 | 4-0-0/ 5-0-0 | 4/5 | 200/100 |
| GE | Generic Elective -3 (Practical/Tutorial) | GE3 | 0-0-4/ 0-1-0 | 2/1 | |
| TOTAL | | | 20/18 | 21 | 600/500 |

Semester-IV

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|--|----------------|-----------------|-----------|----------------|
| BOTTC401 | Principals of Management | CC13 | 4-0-0 | 4 | 100 |
| BOTTC402 | Introduction to Quality and Patient safety | CC14 | 4-0-0 | 4 | 100 |
| BOTTC403 | Basic techniques of Anesthesia | CC15 | 4-0-0 | 4 | 100 |
| BOTTS482 | Clinical Observership II | SEC2 | - | 3 | 100 |
| GE | Generic Elective-4 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects) | GE4 | 4-0-0/ 5-0-0 | 4/5 | 200/100 |
| GE | Generic Elective -4 (Practical/Tutorial) | GE4 | 0-0-4/ 0-1-0 | 2/1 | |
| TOTAL | | | 20/18 | 21 | 600/500 |



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Semester-V

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|-------------------------------|----------------|-----------|-----------|-------------|
| BOTTC501 | Basics of Surgical procedures | CC16 | 4-0-0 | 4 | 100 |
| BOTTC502 | CSSD Procedures. | CC17 | 4-0-0 | 4 | 100 |
| BOTTS503 | Advance anesthetic techniques | SEC 3 | 4-0-0 | 4 | 100 |
| BOTTC504 | Basic Intensive care | CC18 | 4-0-0 | 4 | 100 |
| BOTTS583 | Clinical Observership III | SEC 4 | - | 3 | 100 |
| TOTAL | | | 16 | 19 | 500 |

Semester-VI

| Course Code | Course Name | Type of Course | L - T - P | Credits | Total Marks |
|--------------|--|----------------|-----------|-----------|-------------|
| BOTTC601 | Specialized surgery and anesthesia | CC19 | 4-0-0 | 4 | 100 |
| BOTTS602 | Electronics and technology in surgery and anesthesia | SEC5 | 4-0-0 | 4 | 100 |
| BOTTE603 | Basic administration and equipment Maintenance | DSE 1 | 4-0-0 | 4 | 100 |
| BOTTE604 | Research Methodology and Bio statistics | DSE 2 | 4-0-0 | 4 | 100 |
| BOTTS684 | Project and Dissertation | SEC6 | - | 3 | 100 |
| TOTAL | | | 16 | 19 | 500 |

Semester VII & VIII

| Course Code | Course Name | Type of Course | Duration | Credits | Total Marks |
|-------------|--|----------------|-----------|---------|-------------|
| BOTTS881 | Internship (12 months) Including Project Work and Grand Viva voce. | SEC7 | 12 months | 20 | 100 |

Total Credits: 150

Total Marks: 3700/3300