

**S.R.R. and C.V.R. Govt. Degree College (A)**  
**Machavarm, Vijayawada**

**Department of Microbiology in Association with WIPRO-GE  
HEALTHCARE, TATA TRUST AND GRAM TARANG**

**(CENTURION UNIVERSITY)**

**Certificate Course On**

**OPERATION THEATRE AND ANESTHESIA TECHNOLOGY**

**Course Duration: Six Months May 11<sup>th</sup> 2018 to Nov 15<sup>th</sup> 2018**

**Objectives:**

The course is designed to meet the growing demand of experts in the fields of anaesthesia technology & operation theatre management, medical ethics, post operative care.

The course entails training of students in both theoretical and practical aspects of operating room technology. The student would be trained in various aspects of patient care, pre operative preparation, instrumentation, sterilization, operating room concepts, anaesthesia, operating techniques and assistance to surgeons. On completion of the course the student would be able to perform as an operating theater nurse/ technologist in all aspects of surgical intervention in patient care.

They learn the utilization of numerous diagnostic equipments and also patient assessment abilities. Training also concentrates on the knowledge and skills of monitoring infection control policy and procedures in operation theatre.

**List of Students: 22**

<b>S No</b>	<b>Name of the Student</b>	<b>Class</b>
<b>1</b>	KAMABATTULA BHARGAVI	<b>III BSc MBC</b>
<b>2</b>	MERUGUMALA SRAVANI	
<b>3</b>	DEVULURI TONNY	
<b>4</b>	NETHALA JAYABABU	
<b>5</b>	MANDADAPU V VENUGOPAL	
<b>6</b>	MOHAMMED SOHAIL	
<b>7</b>	THOTA V S K MANIKANTA	
<b>8</b>	VALLURI LAKSHMINARAYANA	
<b>9</b>	GANDIKOTA NAGA PRATHYUSHA	
<b>10</b>	GUNTUR PRAVALLIKA	
<b>11</b>	GUBBALA NAVYASREE DURGA	
<b>12</b>	KOPPULA UDAY BHANU	
<b>13</b>	NEMALIKANTI SUDHAKAR	
<b>14</b>	ALLU INDU	
<b>15</b>	BOMMIDI PRASANTHI	
<b>16</b>	DEVADA SANTHOSI KUMARI	
<b>17</b>	PAPABATHINA ROJA	
<b>18</b>	BEZAWADA BLESSI	
<b>19</b>	BEJAWADA RANI PRAMILA	
<b>20</b>	BEVARA DIVYA	
<b>21</b>	RALI KALYANI	
<b>22</b>	BOGGAVARAPU RAJA KUMARI	



Student hands-on training in procedures





IN ASSOCIATION WITH  
WIPRO-GE HEALTHCARE, TATA TRUST AND GRAM TARANG (CENTURION UNIVERSITY)

**COURSE: OPERATION THEATRE AND ANESTHESIA TECHNOLOGY**

CENTRE: SRR & CVR GDC (A), VIJAYAWADA

DATE OF EXAM- 27 AUGUST 2018 TIME- 10:15 AM TO 11:45 AM (90 MINS)

TOTAL MARKS- 80

PASS MARK- 50/80

**INSTRUCTIONS**

- EACH MODULE/SUBJECT WILL BE VALIDATED SEPARATELY. HENCE DONOT COMBINE ALL ANSWERS. USE SEPARATE PAPER FOR EACH SUBJECT WITH HEADING.
- NO MARKS FOR MISMATCHED QUESTION NUMBER TO ANSWER.
- DONOT WRITE QUESTIONS ON ANSWER SHEET. JUST MENTION QUESTION NUMBER TO ANSWER.
- NO COPIES ALLOWED.
- ANSWER ALL THE FOLLOWING QUESTIONS.

**ALL THE BEST**

**ANATOMY AND PHYSIOLOGY – 25 MARKS**

1. PARTS OF CELL
2. TYPES OF JOINTS
3. CONDUCTION SYSTEM OF HEART
4. MUSCLES OF RESPIRATION
5. NORMAL HR, BP, TEMP
6. TYPES OF BLOOD VESSELS
7. HORMONES PRODUCED BY PITUITARY GLANDS
8. PARTS OF NERVOUS SYSTEM (BOTH CNS AND PNS)
9. TYPES OF BLOOD CELLS
10. WHAT IS CSF? WHAT IS LUMBAR PUNCTURE?
11. PULSE POINTS
12. PARTS OF DIGESTIVE SYSTEM IN ORDER
13. WHAT IS COPD?
14. LIST SPECIAL SENSES
15. TYPES OF MUSCLE TISSUES
16. FUNCTIONS OF URINARY SYSTEM
17. MECHANISM OF VENTILATION
18. PARTS OF BRAIN
19. DIFFERENCE BETWEEN TENDONS AND LIGAMENTS

20. FUNCTIONS OF THE INTEGUMENTARY SYSTEM
21. SYSTEMIC AND PULMONARY CIRCULATION
22. WHAT IS BILE?
23. TYPES OF TISSUES
24. LIST SPINAL AND CRANIAL NERVES
25. DEFINE THE FOLLOWING
  - A) HEMOLYSIS
  - B) APNEA
  - C) HYPOXIA
  - D) HOMEOSTASIS

### **BASICS TO ANESTHETICS – 25 MARKS**

1. WHAT IS ANESTHESIA?
2. WHAT IS CRITICAL FLOW?
3. PARTS OF ANESTHESIA MACHINE
4. BOYLE'S LAW
5. WHAT ARE MEDICAL GASES?
6. LIST EQUIPMENTS USED FOR GENERAL ANESTHESIA
7. PHASES OF ANESTHESIA CARE
8. STATES OF MATTER
9. INDICATIONS FOR OXYGEN THERAPY
10. WHAT IS HANGER YOLK ASSEMBLY?
11. PHASES OF GENERAL ANESTHESIA
12. TYPES OF HYPOXIA
13. ASA CLASSIFICATION
14. HAZARDS OF OXYGEN THERAPY
15. PIN INDEX SYSTEM
16. DIFFERENCE BETWEEN SPINAL AND EPIDURAL ANESTHESIA
17. NAME SOME GENERAL ANESTHETIC AGENTS
18. CONSIDERATIONS FOR CHOOSING A SPECIFIC TYPE OF ANESTHESIA
19. STANDARDS FOR BASIC ANESTHESIA MONITORING
20. STORAGE OF MEDICAL GASES
21. OXYGEN DELIVERY METHODS
22. FLUID FLOW TYPES
23. HYPOXEMIA
24. PREOPERATIVE EVALUATION OF ANESTHESIA
25. PREREQUISITES FOR ANESTHESIA

### **MICROBIOLOGY – 10 MARKS**

1. WHAT IS MICROBIOLOGY?
2. WHAT IS IMMUNITY?
3. MICROORGANISMS ARE CLASSIFIED INTO HOW MANY TYPES?
4. TYPES OF IMMUNITY
5. NATURAL AND PASSIVE IMMUNITY
6. DIFFERENT TYPES OF BACTERIAL INFECTIONS
7. WHAT ARE VIRAL DISORDERS?
8. CELLS OF IMMUNE SYSTEM
9. DEFENSE MECHANISM OF NATURAL IMMUNITY
10. DIFFERENTIATE THE BACTERIA BASED ON THEIR CELLMEMBRANE

## **PATHOLOGY – 15 MARKS**

1. WHAT IS PATHOLOGY?
2. WHAT IS PATHOGEN?
3. NEOPLASTIC DISORDERS
4. CARDIOVASCULAR DISORDERS
5. CYSTIC DISORDERS
6. SYMPTOMS OF CYSTIC DISORDERS
7. CAUSES OF MUSCULOSKELETAL DISORDERS
8. ATHEROSCLEROSIS
9. INFLAMMATORY HEART DISEASE
10. OSTEOPOROSIS
11. URINARY TRACT INFECTIONS
12. WHAT ARE SEXUALLY TRANSMITTED DISEASES?
13. VASCULAR DISORDERS
14. SYMPTOMS OF NERVOUS DISORDERS
15. CAUSES OF NEOPLASTIC DISORDERS

## **SOFT SKILLS – 05 MARKS**

1. WHAT ARE INTERPERSONAL SKILLS?
2. SMILING FACE
3. WHAT ARE COMMUNICATION SKILLS?
4. HOW TO MANAGE TIME?
5. RESPONSIBILITY AS A HEALTHCARE PROFESSIONAL



## Gram Tarang Employability Training Services (p) Ltd.

### Clearance Certificate

Employee Name	CHOPPARAPU DORCAS	Date of Join	11/05/2018
Reporting To	V. RAVI KUMAR	Date of Leaving	30/11/2018
Designation	ASSOCIATE TRAINER, SOFT SKILLS	Work Location	VIJAYAWADA

Sl No	Department	Description	Comments	Signature
01	Department Head	Current Pending task	NONE	
		Documents	-	
		Files (Soft & Hard)	-	
02	Accounts & Finance	Company Loan	NA	
		Advance	NA	
		Financial liabilities	NA	
		Bill liabilities	NA	
03	HR	Stationary	-	
		Files	-	
		Company Assets	-	
		Salary	November Pending	
		Login ID	chopparapu.anand@gramtarang.org.in	
04	Store/IT	-	-	

I hereby declared that I have handed over all my charge and company property to all respective departments.

<i>C. Dorcas Anand</i>	29-11-2018	
Employee Signature	Date	Director/HR

