



UNIVERSITY OF JAMMU

(NAAC ACCREDITED A++ GRADE UNIVERSITY)
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

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NOTIFICATION (25/March/Adp.195)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Competent Bodies, has been pleased to authorize the following:

- Adoption of revised syllabi & Courses of Study of **Bachelor of Science in Operation Theatre Technology Course No. BOTT-202**, title Section A-Applied Pathology (with 100% change) of Second year (as given in Annexure) for the examinations to be held in the year 2025, 2026 and 2027.
- Continuation of the existing Syllabi & Courses of Study of **Bachelor of Science in Operation Theatre Technology** of the following courses for the examinations to be held in the year as indicated below:

Programme	year	Title	Course No	Examination to be held in the year
B.Sc. Operation Theatre Technology	First	Human Anatomy	BOTT-101	2025, 2026 and 2027
		Physiology	BOTT-102	2025, 2026 and 2027
		Biochemistry	BOTT-103	2025, 2026 and 2027
		Pathology-(Clinical Pathology Hematology & Blood Banking)	BOTT-104	2025, 2026 and 2027
		Microbiology	BOTT-105	2025, 2026 and 2027
		English	BOTT-106	2025, 2026 and 2027
		Health Care	BOTT-107	2025, 2026 and 2027
	Second	Medicine relevant O.T. Technology	BOTT-201	2025, 2026 and 2027
		Section B Applied Microbiology	BOTT-202	2025, 2026 and 2027
		Introduction to Operation Theatre Technology	BOTT-203	2025, 2026 and 2027
		Sociology	BOTT-204	2025, 2026 and 2027
		Constitution of India	BOTT-205	2025, 2026 and 2027
		Environmental Science & Health	BOTT-206	2025, 2026 and 2027
		Operation Theatre Technology-Clinical	BOTT-301	2025, 2026 and 2027
	Third	Operation Theatre Technology-Applied	BOTT-302	2025, 2026 and 2027
		Operation Theatre Technology-Advanced	BOTT-303	2025, 2026 and 2027
		Research & Biostatistics	BOTT-304	2025, 2026 and 2027
		Computer Application	BOTT-305	2025, 2026 and 2027
		Ethics, Database Management	BOTT-306	2025, 2026 and 2027

Note: The Syllabi of the courses is available on the University Website: www.jammuuniversity.ac.in

Anju Bhasu
DEAN ACADEMIC AFFAIRS

No. F.Acd/III/25/1937.3-384
Dated: 26/03/2025

Copy for information & necessary action to:-

- Principal / Dean Faculty of Medical Science.
- Sr. P.A to the Controller of Examinations.
- Dr. Rachna Sabharwal, Coordinator, B.Sc. Paramedical courses, GMC, Jammu.
- All Members of the Board of Studies in Nursing.
- Principals of all concerned Colleges.
- Joint Registrar / Deputy Registrar (Exams Prof./Eval. Prof./ Confidential / Registration)

✓ University Website for Uploading of the same in the University website.

S. Singh
20/3/25

Raj
19/03/2025

Annexure

CLASS : B.Sc Anesthesia Technology 2nd Year,
B.Sc Cardiac Care Technology 2nd Year,
B.Sc Respiratory Care Technology 2nd Year,
B.Sc OTT Technology 2nd Year

COURSE TITLE: Section A Applied Pathology

COURSE CODE: BAT202/ BCCT202/BRCT202/BOT/202

APPLIED PATHOLOGY

I. CARDIOVASCULAR SYSTEM

- Atherosclerosis — Definition, risk factors, briefly Pathogenesis & morphology clinical significance and prevention.
- Hypertension — Definition, types and briefly Pathogenesis and effects of Hypertension.
- Pathophysiology of Heart failure.
- Ischaemic heart diseases—Definition, Types, Briefly Pathophysiology, Pathology & complications of various types of IHD.
- Pericardial effusion—causes, effects and diagnosis.

II. HAEMATOLOGY

- Anaemia — Definition, morphological types and diagnosis of anemia.
- Brief concept about Haemolytic anaemia and polycythemia.
- Leukocyte disorders — Briefly leukaemia, leukocytosis, agranulocytosis etc.
- Bleeding disorders — Definition, classification, causes & effects of important types of bleeding disorders. Briefly various laboratory tests used to diagnose bleeding disorders.

III. RESPIRATORY SYSTEM

- Chronic obstructive airway diseases — Definition and types. Briefly causes, Pathology and complications of each type of COPD.
- Briefly concept about obstructive versus restrictive pulmonary disease.
- Pulmonary congestion and edema
- Pleural effusion — causes, effects and diagnosis.

IV. RENAL SYSTEM

- Clinical manifestations of renal diseases. Briefly causes, mechanism, effects and laboratory diagnosis of ARF & CRS. Briefly Glomerulonephritis and Pyelonephritis.

PRACTICALS

1. Describe & diagnosis of the following gross specimens.
 - a. Atherosclerosis.
 - b. Myocardial infarction
 - c. Chronic glomerulonephritis.
 2. Interpretation & diagnosis of the following charts.
 - a. Hematology Chart—AML, CIVIL, Hemophilia, neutrophilia, eosinophilia.
 - b. Urine chart — ARF, CRF, Acute glomerulonephritis.
 3. Estimation of Hemoglobin.
 4. Estimation Bleeding & Clotting time.
- ✓ The syllabus of Pathology subject for B.Sc MLT(2nd year) and B.Sc Renal Dialysis(2nd year) shall remain the same as earlier.

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[Signature]

Supd. of Pathology
Govt. Medical College
Bapatla