ANNAMACHARYA UNIVERSITY

(Estd A.P. Private Universities (Establishment and Regulation) Act, 2016)
RAJAMPET-516126, Annamayya District, A.P, INDIA

ACADEMIC REGULATIONS (AU26), COURSE STRUCTURE AND SYLLABI For the students admitted to

Bachelor of Anaesthesia & Operation Theatre Technology (B. AOTT)

Regular Undergraduate Degree Programme for the Academic Year (2026-27)
&

Lateral Entry Scheme for the Academic Year (2026-27)

VISION AND MISSION OF THE UNIVERSITY

VISION

To be a globally recognized university by providing value-based education and promoting innovation and research for societal betterment

MISSION

The Mission of the University is:

1. To embody ‘Vidwan Sarvatra Pujyathey’.
2. To deliver high-quality education by encouraging research, innovation, and critical thinking
3. To nurture upright individuals by fostering an inclusive environment and inspiring service to society

ACADEMIC RULES AND REGULATIONS OF FOUR YEAR B.AOTT REGULAR DEGREE PROGRAMME

APPLICABLE FOR THE STUDENT BATCHES ADMITTED FOR ACADEMIC YEAR (2026-27)

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1. PREAMBLE

Annamacharya University is a private University, established under the brownfield category as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act of 2016 (Act No.3 of 2016), subsequently amended by Act No. 2 of 2024, as published in the Extraordinary Gazette of Andhra Pradesh via gazette notification G.O.Ms. No. 13 dated 13.03.2024. The University Grants Commission (UGC) has included it in the list of UGC-listed Universities vide letter no. No. F.8-22/2024(CPP-I/PU)148904 dated 02nd April, 2025.

Annamacharya University, Rajampet, relentlessly aims to achieve academic excellence by implementing new initiatives in teaching-learning and evaluation processes. Based on the directions of the University Grants Commission (UGC), New Delhi, Director of Medical Education (DME), Government of Andhra Pradesh, and Dr. NTR University of Health Sciences (Dr. NTRUHS), National Commission for Allied and Healthcare Profession (NCAHP) and Andhra Pradesh State Allied and Healthcare Professions Council the university has adopted the DME and Dr. NTRUHS model curriculum with minor modifications to match the needs, expectations, and skill sets of students in the state, in undergraduate programs offered from the academic year 2026-27.

Objectives:

The aim of the 4 - year Bachelor of Anaesthesia & Operation Theatre Technology (B.AOTT) is to prepare skilled, ethical, and competent healthcare professionals capable of assisting in anaesthesia administration and managing all aspects of operation theatre procedures.

The program equips students with in-depth knowledge of anaesthesia techniques, operation theatre protocols, critical care support, and patient safety standards.

Graduates will be able to work effectively as part of a multidisciplinary team, demonstrate professional accountability, uphold ethical practices, and commit to continuous learning in a dynamic healthcare environment and Clinical care.

The learning goals of the course are:

- Communication
- Membership of a multidisciplinary health team
- Ethics and accountability at all levels (clinical, professional, personal and social)
- Commitment to professional excellence
- Leadership and mentorship
- Social accountability and responsibility
- Scientific attitude and scholarship (only at higher levels-Master's & Ph.D.)
- Lifelong learning

Academic Council:

The academic council in a private university plays a pivotal role in maintaining and enhancing the academic standards and quality of education. The academic council coordinates and exercise general supervision over the academic policies of the university.

Board of Studies (BoS):

Each department within the School of Health Sciences will have a Board of Studies to the UG program. The Dean/Head of the department will serve as the Chairman of the Department Board of Studies and

Officer In-Charge serve as convenor. The Board of Studies has been constituted as per the guidelines of the university statutes. The rules, regulations, curriculum, syllabus, and other academic matters shall be approved by the Board of Studies before being placed in the Academic Council and subsequently the Board of Management.

Office of the Dean, Academics:

- The office of the Dean, Academics, is responsible for the implementation of the decisions taken on academic matters by the Academic Council.
- The office receives, processes, and maintains all records relating to the programs, including curricula, courses offered, academic calendar, registration, assessments, and grades.
- Disseminates information pertaining to all academic matters, issues necessary memoranda/orders, and acts as a channel of communication between the students, instructors, and departments.
- Provides information about various academic programs, rules, and regulations to students.

2.REGULATIONS COMMENCEMENT

- The regulations are quite comprehensive and include definitions of key terms, Academic Year system and other relevant details.
- The regulations detailed herein shall apply to all the regular under-graduate programmes offered by the University.
- The regulations shall be applicable and come into force to the student batches admitted from the academic year 2026-27.
- The University may revise, amend or change the regulations, scheme of examinations and syllabi, from time to time, if found necessary and on approval from the Academic Council of the University, keeping the recommendations of the Board of Studies (BOS) in view.
- Any or all such amendments shall be effective from such date and to such batches of students including those already undergoing the programme as may be approved through Academic Council of the University.
- These regulations shall be called AU26 Regulations.

3.ELIGIBILITY FOR ADMISSION

Selection Procedure

1. Minimum qualification: He/she has passed the Higher Secondary (10+2) or equivalent examination recognized by any Indian University or a duly constituted Board with pass marks (50%) in physics, chemistry, biology (PCB) mandatory and mathematics (optional). 2. Candidates who have studied abroad and have passed the equivalent qualification as determined by the Association of Indian Universities will

form the guideline to determine the eligibility and must have passed in the subjects: Physics, Chemistry, and Biology (mandatory) and Mathematics (optional) up to 12th Standard level.

3. The qualifying examination passed by FN/PIO/CIWGC students should be considered equivalent to eligibility examination by the Association of Indian Universities/Academic Council

4. He/she has to furnish at the time of submission of application form, a certificate of Physical fitness from a registered medical practitioner and two references from persons other than relatives testifying to satisfactory general character.

5. Admission to Bachelor in Anaesthesia & Operation Theatre Technology course shall be made on the basis of eligibility and an entrance test to be conducted for the purpose. No candidate will be admitted on any ground unless he/she has appeared in the admission test and interview.

a. Entrance test, to be conducted by the university as per the syllabus under 10 +2 scheme of CBSE, subject-wise distribution of questions will be as 25% in Physics, 25% in Biology, 25% in Chemistry, 15% in English (Language & Comprehension) and 10% in General Awareness about health related methods.

b. Successful candidates on the basis of written Test will be called for the interview & shall have to face an interview board. The interview board will include the Head of the Department of Surgery and/or Anesthesia (Chairman of the Board) along with other nominees, whose recommendations shall be final for the selection of the students.

c. During subsequent counseling (s) the seat will be allotted as per the merit of the candidate depending on the availability of seats on that particular day.

d. Candidate who fails to attend the Medical Examination on the notified date(s) will forfeit the claim for admission and placement in the waiting list except permitted by the competent authority under special circumstances.

e. The name of the student(s) who remain(s) absent from classes for more than 15 days at a stretch after joining the said course will be struck off from the college rolls without giving any notice.

Provision of Lateral Entry:

- Lateral entry to second year for allied and healthcare science courses for candidates who have passed diploma program from the Government Boards and recognized by State/Central University, fulfilling the conditions specified and these students are eligible to take admission on lateral entry system only if the same subject have been studied at diploma level.
- Number of intake: lateral entry admission must not be more than 20% of the annual intake.
- A candidate with a minimum 2 years full-time diploma in Anaesthesia & Operation Theatre Technology recognized by a Government Body is eligible for lateral entry to the 3rd semester of Baccalaureate in Anaesthesia & Operation Theatre Technology.

Note: Candidates with minimum 2 years full-time diploma in Anaesthesia & Operation Theatre Technology from a recognized Government Body shall have passed „plus-two" [10+2] with Physics, Chemistry and Biology as subjects.

- Eligibility of the lateral candidates based on examination conducted by NCAHP.
- Foreign nationals and candidates who have qualified from a foreign University/Board should obtain permission from the NCAHP commission prior to the admission for equivalence of the qualification.

4.MEDIUM OF INSTRUCTION

The medium of instruction shall be **English** for all the courses including their content delivery and examinations, seminars, presentations, and project evaluation as prescribed in the programme curriculum.

5.Bachelor of Anaesthesia & Operational Technology (B.Aott)
Programme Structure

The structure of the AOTT programme at Annamacharya University is based on the minimum qualifying marks/percentage prescribed by the National Commission for Allied and Healthcare Professions (NCAHP), the Andhra Pradesh State Allied and Healthcare Profession Council (APSAHPC), and the UGC, along with the curriculum/course structure recommended by the university in its Curriculum.

Semester Pattern:

- The AOTT Programme offered at Annamacharya University follow **Semester Pattern.**
- **Duration of the course**
- Duration of the course: 4 years or 8 semesters. (2140 hours of Theory & 920 hours of Practical Classes) and 1440 hours (minimum) of internship
- Total hours – 4500 Maximum period for completion of the course:
- The maximum period for completion of BAOTT is 6 years.
- If a candidate does not complete within the 6years, he/she should re-register.
- Each year shall consist of 28 weeks of instructions.
    - Each year is structured to provide credits totaling **170 credits** for the entire AOTT Programme.
    - Each year shall have **Continuous Internal Evaluation (CIE)** and **Year End Examination (YEE)** for both Theory and Lab courses.
    - Each student is required to secure a cumulative grade point average **(CGPA) ≥ 5** for the completion of the UG programme and the award of the AOT Degree.
    - A student after securing admission into a 4-year AOTT Programme at Annamacharya University shall pursue and acquire the AOTT degree in a **minimum period of three academic years and** a **maximum period of Six academic years** starting from the date of commencement of I year, failing which the student shall forfeit the seat in AOTT. Programme.
    - **Internship program:** One-year full time internship program.

Medium of instruction: English shall be the medium of instruction for all the subjects of study and for examination of the course.

Teaching/Learning Methods
Method of teaching and learning-

- Lecture
- Tutorial
- Problem based learning

- Small group teaching and learning
- Continuous interactive learning
- Case-based
- Project based
- Research project- Research was considered by the group to be very important in order to keep pace with other professions and to generate a research background for our own profession.
- Seminars
- Clinical conferences
- E-learning
- Skills laboratory
- Industrial visit

Attendance and Appearance of Examination

A candidate has to secure minimum or as mandated by the State-
1. 75% attendance in theoretical
2. 80% in Skills training (practical) for qualifying to appear for the final examination. No relaxation, whatsoever, will be permissible to this rule under any ground including indisposition etc. A candidate having shortage of attendance shall repeat the exam when it is offered next.

Carry over benefit:

- A candidate shall appear for all the subjects of that particular semester in the University examinations but failed in that semester can avail this benefit, provided:
- A candidate who fails in not more than 2 subjects in I semester is allowed to move to II semester. The candidate with back log subjects shall take both I semester backlog subjects as well as II semester subjects. The candidate with a backlog of not more than 2 subjects in II semester is allowed to go to the III semester till he/she clears all I semester subjects.
- The candidate with a backlog of not more than 2 subjects in III semester is allowed to go to the IV semester till he/she clears all II semester subjects.
- The candidate with a backlog of not more than 2 subjects in IV semester is allowed to go to the V semester till he/she clears all III semester subjects.
- The candidate with a backlog of not more than 2 subjects in V semester is allowed to go to the VI semester till he/she clears all IV semester subjects.
- Results of candidates will be declared at the end of VI semester only when the all backlog subjects are cleared by the candidates.
  Re-totaling: Supplementary Examinations: Maximum attempt: No more than three attempts shall be allowed for the candidate to pass the any subjects. If he/she fails to clear the any subjects within three attempts will be considered as withdrawal of the course.

Re-totaling:

Re-totaling of marks is permitted only for theory papers. The University/board, on application within the stipulated time and remittance of a prescribed fee, shall permit a re-totaling of marks for the course/s

applied. The marks obtained after re-totaling shall be the final marks awarded.

supplementary examination:

Supplementary examination shall be conducted by the university for the benefit of unsuccessful candidates. Lower semester examinations shall be conducted by the University along with current semester examinations for the benefit of unsuccessful candidates.

• A Candidate detained for lack of attendance will be barred from appearing in any one or all course/s for the supplementary examination.

• A candidate permitted to appear for the supplementary examination can improve his internal assessment marks before he takes the supplementary examination by subjecting himself to internal assessment.

Credit-Based System Structure

Credit: A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work/project per week.

Academic Year: constitute two semesters

6.0 Credit Structure

Course-wise Credit Distribution

• The following table outlines the subjects offered with their corresponding lecture, practical hours, and assigned credits.

• Credits are awarded based on the number of hours per week, in line with the CBCS guidelines

S.No	Subjects	Subject Code	Hrs/week			Credits
			L	T	P	C
1.	Basics of Healthcare Delivery System in India	26HAOT11T	4	-	-	4
2.	Medical Terminology and Record keeping (including anatomical terms)	26HAOT12T	3	-	-	3
3.	Anatomy	26HAOT13T	4	-	-	4
4.	Physiology	26HAOT14T	4	-	-	4
5.	Health Quality & Patient Safety	26HAOT15T	3	-	-	3
6.	Anatomy - Lab	26HAOT13L		-	4	2
7.	Physiology - Lab	26HAOT14L		-	4	2
8.	Health Care Quality & Patient Safety- Lab	26HAOT15L		-	4	2
Total						**24**

Second Semester						
S. No	**Subjects**	**Subject Code**	**Hrs/week**			**Credits**
			L	**T**	**P**	**C**
1.	Medical Law and Ethics, Professionalism & Values, Principles of Management	26HAOT16T	2	-	-	2
2.	Basics of Biomedical sciences in surgery and Anaesthesia	26HAOT17T	1	-	-	3
3.	Biochemistry & Haematology	26HAOT18T	3	-	-	3
4.	Pathology & Microbiology	26HAOT19T	3	-	-	3
5.	Basic Concepts in Pharmacology	26HAOT20T	3	-	-	3
6.	Basic computers and information Science, Communication and soft skills.	26HAOT21T	2	-	-	2
7.	Biochemistry & Haematology - Lab	26HAOT18L	-	-	4	2
8.	Basic Techniques of Anesthesia	26HAOT22T	3	-	-	3
9.	Basics of Surgical Procedures - Lab	26HAOT23T	-	-	4	2
10.	CSSD & Manifold area	26HAOT24T	2	-	-	2
11.	Industrial Orientation & Industrial Visit	26HAOT25T	2	-	-	2
12.	Basic Techniques of Anesthesia	26HAOT22L	-	-	2	2
13.	Basics of Surgical Procedures	26HAOT23L	-	-	2	2
Total						**20**

Third Semester						
S: No	**Subjects**	**Subject Code**	**Hrs/week**			**Credits**
			L	**T**	**P**	**C**
1.	Basic computers and information Science, Communication and soft skills - Lab	26HAOT21L	-	-	4	2
2.	Basics of Surgical Procedures	26HAOT23T	3	-	-	3
3.	CSSD & Manifold area	26HAOT24T	2	-	-	2
4.	Industrial Orientation & Industrial Visit	26HAOT25T	2	-	-	2
5.	Basic Techniques of Anesthesia	26HAOT22L	-	-	2	2
6.	Basics of Surgical Procedures	26HAOT23L	-	-	2	2
Total						**20**

Fourth Semester						
S. No	**Subjects**	**Subject Code**	**Hrs/week**			**Credits**
			L	**T**	**P**	**C**
1.	Advanced Anesthesia Techniques	26HAOT26T	3	-	-	3
2.	Advanced Surgical Procedures	26HAOT27T	3	-	-	3
3.	Basic Intensive Care	26HAOT28T	2	-	-	4
4.	Clinical Medicine & Management	26HAOT29T	2	-	-	2
5.	Advanced Anesthesia Techniques	26HAOT26L	-	-	2	2
6.	Advanced Surgical Procedures	26HAOT27L	-	-	2	2
Total						**20**

Fifth semester						
S: No	**Subjects**	**Subject Code**	**Hrs/week**			**Credits**
			L	**T**	**P**	**C**
1.	Specialized Anesthesia	26HAOT28T	3	-	-	3
2.	Specialized Surgery	26HAOT29T	3	-	-	3
3.	Recent Advances in Anesthesia & Surgical Field	26HAOT30T	2	-	-	5
4.	Disaster Management & Environ mental Science	26HAOT31T	3	-	-	2
5.	Specialized Anesthesia	26HAOT28L	-	-	2	2
6.	Specialized Surgery	26HAOT29L	-	-	2	2
Total						**17**

Seventh and Eighth Semester				
S.No	**Subjects**	**Subject Code**	**Hrs/week**	**Credits**
				C
1.	Internship	26HAOT35INTS	1440	48
Total				48

Sixth semester						
S: No	Subjects	Subject Code	Hrs/week			Credits
			L	T	P	C
1.	Specialized Anesthesia - 2	26HAOT32T	3	-	-	3
2.	Specialized Surgery – 2	26HAOT33T	3	-	-	3
3.	Specialized Anesthesia & Surgical-3	26HAOT34T	3	-	-	3
4.	Research Methodology & Biostatics	26HAOT35T	2	-	-	2
5.	Specialized Anesthesia - 2	26HAOT32L	-	-	2	2
6.	Specialized Surgery - 2	26HAOT33L	-	-	2	2
7.	Specialized Anesthesia & Surgical-3	26HAOT34L	-	-	2	2
Total						**17**

7. Evaluation Process

Scheme of Evaluation

7.1Continuous Internal Evaluation (CIE)

- The academic performance is assessed on the basis of both Continuous Internal Evaluation (CIE) assessment and End Semester Examination (ESE) in each semester.
- ESE weightage will be in the ratio of 30 % for CIE and 70 % for ESE.
- Continuous Internal Evaluation (CIE)
- 30% of the total marks is allotted for CIE in each course.
- 50% of CIE shall be based on the average of marks obtained in two notified formative written tests. Absence without prior permission for a formative test shall result in scoring of the test as zero.
- The remaining 50% of CIE will be based on internal assessments in the form of evaluation seminars, journal club presentations, case presentations, completion of assignments etc. which will be specified in the individual course curricula.
- CIE will be conducted for theory and practical for each course wherever applicable. • A Candidate must secure at least 40% of total marks fixed for CIE in the particular subject in order to be eligible to appear for the End Semester Examination (ESE) for that subject.

End semester examination (ESE)

- There shall be a University Examination at the end of each semester.
- To be eligible to appear for University examination a candidate should fulfill all the following conditions

- Undergone satisfactorily the approved program of study in the course/courses for the prescribed duration
- 75% attendance separately in theory and in practical/hospital postings, in each course Shall have the minimum attendance requirement in all courses of that semester for the first appearance
- Secure at least 50% of total marks fixed for CIE in a particular course; and Fulfill any other requirement that may be prescribed by the University from time to time.
- The End semester examination will consist of Theory examination for all courses and in addition, Practical examination for specified courses.
- Theory examination
- Written tests with question types, pattern, duration and weightage as specified in the Course-wise curricula
- Setting of question papers and evaluation of answer scripts as per University regulations
- Practical examination Broad outline would be in the form of Spotters, Demonstration of equipment handling, Case based discussions.

Criteria for pass:

A Candidate must score 50%separately in theory and practical wherever applicable to be declared as pass. In case of fail, subsequently a candidate has to appear for both theory and practical examination of the university in that particular course.

The performance of a student in each year shall be evaluated course-wise with a maximum of 100 marks for both Theory and Lab Course.

- For a Theory course, the distribution shall be 30 marks for Internal Evaluation and 70 marks for End-Evaluation. The distribution is detailed in 7.1.1
- For a Lab course, the distribution shall be 30 marks for Internal Evaluation and 70 marks End- Evaluations. The distribution is detailed in 7.1.3

7.1 Internal Evaluation

For a Theory Course, 30 marks are allotted for Internal Evaluation. Two Theory Internal Examinations shall be conducted during the semester and evaluated for 30 marks. For a Lab Course, Continuous Internal Evaluation shall be conducted throughout the semester for 30 marks.

7.1.1Theory Internal Evaluation

Non-Core Subject Evaluation

Theory Internal Examination – 10 Marks

The Theory Internal Examination shall be conducted for 10 marks and shall consist of the following components:

- PART A: 5 × 1 = 5 Marks

1. Part A shall consist of five multiple-choice questions, each carrying 1 mark.
2. All five questions shall be compulsory.

- PART B: 1 × 5 = 5 Marks

1. Part B shall consist of one short-answer question carrying 5 marks.
2. The question shall be compulsory.

Total: 10 Marks

Core Subject Evaluation

Theory Internal Examination – 20 Marks

The Theory Internal Examination shall be conducted for 20 marks and shall consist of the following components:

- PART A: 5 × 1 = 5 Marks

1. Part A shall consist of five multiple-choice questions, each carrying 1 mark.
2. All five questions shall be compulsory.

- PART B: 3 × 5 = 15 Marks

1. Part B shall consist of three short-answer questions, each carrying 5 marks.
2. All three questions shall be compulsory.

Total: 20 Marks

7.1.2 Assignment (Theory)

The assignment shall contain essay-type numerical questions, out-of-the-box thinking questions, etc. The assignments are given by the concerned teacher for 5 marks from the first four units. The second assignment shall be given from the rest of the syllabus. The first assignment should be submitted before the first internal examination, and the second assignment should be submitted before the second internal examination. The number of questions is limited to 5, and teachers should frame the questions by considering all Course Outcomes. There shall be at least two assignments in a year, and the average performance of the two assignments will be considered.

7.1.3 Lab Internal Evaluation

Core Subject Evaluatoin

1. Practical Internal Lab Assessment – 10 Marks

The Practical Internal Lab Assessment shall be conducted for 10 marks and shall consist of the following components:

1. Major Experiment – 5 Marks
2. Minor Experiment – 5 Marks

Total: 10 Marks

Non-Core Subject Evaluation

Practical Internal Lab Assessment – 20 Marks

The Practical Internal Lab Assessment shall be conducted for 20 marks and shall consist of the following components:

1. Practical Record Maintenance – 5 Marks
2. Practical Observation – 5 Marks
3. Performance of Experiments – 10 Marks

Total: 20 Marks

7.1.4 Make-up Internal Examination

- The student who has missed both the Theory Continuous Internal examinations will be permitted to appear for a Make-up Continuous Internal examination in the event of his/her producing satisfactory evidence of medical sickness.
- One Make-up internal test shall be conducted immediately after the II Continuous Internal examination in the semester, covering the total syllabus of FIVE Units in the respective course.
- This Make-up examination will be given a weightage of 80%. Make-up tests shall be conducted outside the working hours and there can be even two such examinations on a day.
- Student absent for I Internal examination with valid reasons he/ she should produce a supporting document to the department within a week after completion of last internal examination. And the same student absents for same subject in II Internal examination, he/ she should produce a supporting document to the department immediately in order to giving the provision for makeup examination.
- Make-up internal examinations are not for improvement of marks in Theory Internal examinations. There shall be no make-up internal examinations for a Lab course.

7.2 SEMESTER End Examination Evaluation

7.2.1 Theory End Evaluation

NON- CORE SUBJECT EVALUATOIN

Theory SEE – 40 Marks

- Duration: 2 Hours
- PART A: 5 × 2 = 10 Marks

  (i) Part A shall consist of five very short answer questions, each carrying 2 marks.

  (ii) All five questions shall be compulsory.
- PART B: 2 × 5 = 10 Marks

  (i) Part B shall consist of four short-answer questions with internal choice (Either/Or).

  (ii) Students shall answer any two questions, each carrying 5 marks.
- PART C: 2 × 10 = 20 Marks

  (i) Part C shall consist of four long-answer questions with internal choice (Either/Or).

  (ii) Students shall answer any two questions, each carrying 10 marks.

  Total: 40 Marks

CORE SUBJECT EVALUATOIN

2. Theory SEE – 80 Marks

Duration: 3 Hours

- PART A: 10 × 2 = 20 Marks

  (i) Part A shall consist of ten very short answer questions, each carrying 2 marks.

  (ii) All ten questions shall be compulsory.
- PART B: 4 × 5 = 20 Marks

  (i) Part B shall consist of five short-answer questions with internal choice.

  (ii) Students shall answer any four questions, each carrying 5 marks.
- PART C: 4 × 10 = 40 Marks

  (i) Part C shall consist of eight long-answer questions with internal choice (Either/Or).

  (ii) Students shall answer any four questions, each carrying 10 marks.

  Total: 80 Marks

7.2.2 Lab End Evaluation

Non-Core Subject Evaluation

Practical End Semester Examination (SEE) – 30 Marks

Duration: 2 Hours

The Practical End Semester Examination shall consist of the following components:

1. Synopsis – 5 Marks
2. Major Experiment – 10 Marks
3. Minor Experiment – 10 Marks
4. Viva Voce – 5 Marks

Total: 30 Marks

Core Subject Evaluation

Practical End Semester Examination (SEE) – 40 Marks

Duration: 3 Hours

The Practical End Semester Examination shall consist of the following components:

1. Synopsis – 10 Marks
2. Major Experiment – 15 Marks
3. Minor Experiment – 10 Marks
4. Viva Voce – 5 Marks

Total: 40 Marks

Theory & Practical End Evaluation

Theory & Practical end evaluation is done for CORE SUBJECTS FOR 150 AND NON CORE SUBJECTS FOR 100 marks. SEMESTERyear end exam of theory subjects shall be conducted. There shall be regular and supplementary end examinations. Theory end exam shall be conducted for 80 MARKS FOR CORE SUBJECTS AND 40 MARKS OR NON CORE SUBJECTS marks and is of 3 hours duration

7.2.3 Supplementary Examinations:

Supplementary examination shall be conducted by the university for the benefit of unsuccessful candidates. Lower semester examinations shall be conducted by the University along with current semester examinations for the benefit of unsuccessful candidates.

• A Candidate detained for lack of attendance will be barred from appearing in any one or all course/s for the supplementary examination.

• A candidate permitted to appear for the supplementary examination can improve his internal assessment marks before he takes the supplementary examination by subjecting himself to internal assessment.

9 Attendance Requirements and Detention Policy

Attendance: A candidate has to secure minimum or as mandated by the State

1. 75% attendance in theoretical

2. 80% in Skills training (practical) for qualifying to appear for the final examination. No relaxation, whatsoever, will be permissible to this rule under any ground including indisposition etc. A candidate having shortage of attendance shall repeat the exam when it is offered next.
Candidates not possessing required attendance in a particular course as prescribed by University will not be allowed to take up examinations and has to appear for supplementary examination whenever board conducts exam for the particular course very next time.

- A student shall maintain a minimum required attendance 75% in AGGREGATE of all the subjects in a year.
- Shortage of attendance up to 10% i.e., attendance between 65% to 75% in aggregate, may be condoned by the University Academic Committee based on the rules prescribed by the Academic Council of the University from time to time.
- A stipulated fee shall be payable towards condonation of shortage of attendance.
- Shortage of attendance below 65 % shall in no case be condoned. A stipulated fee shall be payable towards condonation of shortage of attendance to the University as per following slab system.

1st Slab: Less than 75 % attendance but equal to or greater than 70 % a normal condonation fee can be collected from the student.

2nd Slab: Less than 70 % but equal to or greater than 65 %, double the condonation fee can be collected from the student.

- Students whose shortage of attendance is not condoned OR who have not paid the stipulated fee OR who have not cleared any other due to the University in any year are not eligible to write the Year End Examination (YEE).
- Students, who do not meet the minimum required attendance of 65% in a year, shall be detained in that year and their registration for that year shall stand cancelled. They shall not be promoted to the next year.
- Students detained in a year shall seek re-admission into that year as and when offered.
- Academic regulations applicable to the year in which re-admission is sought shall be applicable to the re-admitted student.
- In case, there are any professional electives and /or open electives, the same may also be re- registered, if offered. However, if those electives are not offered in the later years, then alternate electives may be chosen from the same set of elective courses offered under that category.

  Any student against whom any disciplinary action is pending shall not be permitted to attend Year End examination (SEE) in that year.

10. Minimum Academic Requirements and Award of the Degree

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in section 9

Qualifying Marks:

- A Candidate must score 50%separately in theory and practical wherever applicable to be declared as pass. In case of fail, subsequently a candidate has to appear for both theory and practical examination of the university in that particular course.
- A candidate shall be declared to have passed the examination if he/she secures the following minimum marks:
- **Theory:** Not less than 50% marks in the Semester-End Theory Examination and Internal Evaluation.
- **Practical:** Not less than 50% marks in the aggregate of Semester -End Lab Evaluation and Internal Lab Evaluation.
- If a candidate fails in either the theory or practical component of a subject, he/she must reappear for both the theory and practical examinations of that subject in any subsequent examination and secure the minimum marks specified above to pass.

Promotion:

Carry over benefit:

- A candidate shall appear for all the subjects of that particular semester in the University examinations but failed in that semester can avail this benefit, provided:

• A candidate who fails in not more than 2 subjects in I semester is allowed to move to II semester. The candidate with back log subjects shall take both I semester backlog subjects as well as II semester subjects. The candidate with a backlog of not more than 2 subjects in II semester is allowed to go to the III semester till he/she clears all I semester subjects.

• The candidate with a backlog of not more than 2 subjects in III semester is allowed to go to the IV semester till he/she clears all II semester subjects.

• The candidate with a backlog of not more than 2 subjects in IV semester is allowed to go to the V semester till he/she clears all III semester subjects.

• The candidate with a backlog of not more than 2 subjects in V semester is allowed to go to the VI semester till he/she clears all IV semester subjects.

• Results of candidates will be declared at the end of VI semester only when the all backlog subjects are cleared by the candidates. Re-totaling: Supplementary Examinations: Maximum attempt: No more 1

han three attempts shall be allowed for the candidate to pass the any subjects. If he/she fails to clear the any subjects within three attempts will be considered as withdrawal of the course.

11. Cumulative Grade Point Average (CGPA):

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall

Structure of Grading of Academic Performance

Marks Range(%)	Grade Point	Letter Grade	Descriptor	Classification	CGPA
90 & above	10	O	Outstanding	First Class with distinction	7.00 and Above
80 -89	9	S	Excellent		
70-79	8	A+	Very Good		
60-69	7	A	Good	First Class	6.00-6.99
55-59	6	B+	Above Average	Second Class	5.50-5.99
50-54	5	B	Average		5.00-5.49
40-49	4	C	Pass	Pass Class	4.0-4.99
Below 40	0	F	Fails	Fail	Less than 4.0
Absent	0	I	Absent		

Semester Grade Point Average (SGPA): The overall performance of a student in each semester

Semester Grade Point Average (SGPA) is computed as follows:

$$SGPA = \frac{\sum [(\text{course credit}) \times (\text{Grade point})] \text{ for all courses in that semester; with Letter grades, including F}}{\sum[(\text{course credits})] \text{ for all courses in the semester with Letter grades, including F}}$$

Cumulative Grade Point Average (CGPA):

It is a measure of the overall performance of the student for the entire program

Cumulative Grade Point Average (CGPA) is computed as follows:

$$\text{CGPA} = \frac{\sum [(\text{course credit}) \text{ X } (\text{Grade point})] \text{ for all courses for all semesters with, Letter grades excluding F}}{\sum [(\text{course credits})] \text{ for all courses for all semesters with Letter grades, excluding F}}$$

Award of Class:
The candidate, who has passed all the courses prescribed, shall be declared to have passed the program. Class will be awarded only to those who pass the entire examination in the first attempt and on the basis of the aggregate of marks scored in individual semester.

A candidate shall be considered to have completed a course successfully and earned the credits assigned, if he secures an acceptable letter grade in the range O-C. Letter grade „F" in any course implies failure in that course and no credit is earned.

A candidate having satisfactory attendance at classes and meeting the passing standard at CIE in a course, but remained absent from SEE shall be awarded „I" grade in that course.

- A candidate who secures GPA ≥ 7.00 and above in first attempt shall be declared to have passed in „First Class with Distinction".
- A candidate who secures GPA ≥ 6.00 or more but less than 7.00 in the first attempt shall be declared to have passed in „First Class".
- A candidate who secures GPA ≥ 5.00 or more but less than 6.00 in the first attempt shall be declared to have passed in „Second Class".
- A candidate who secures GPA ≥ 4.00 or more but less than 5.00 in the first attempt shall be declared to have passed in „Pass Class".
- Candidates who pass the examinations in more than one attempt shall be declared as passed in „Pass" class irrespective of the percentage of marks secured.

Class Awarded	**CGPA Secured**
First Class with Distinction	≥7.0
First Class	≥6.0 <7.0
Second Class	≥5.0 <6.0
Pass Class	≥4.0 <5.0

12.1 Conversion of CGPA into percentage

Formula for conversion of GPA into percentage: **CGPA earned X10 = Percentage of marks scored**
Illustration: (CGPA Earned 8.18 X 10) = 81.80 %

12. Transcripts

After successful completion of the entire programme of study, a transcript containing performance of all academic years will be issued as a final record. Duplicate transcripts will also be issued, if required, after payment of requisite fee. Partial transcript will also be issued up to any point of study to a student on request.

13. Minimum Instruction Days for an Academic Year

The minimum instruction days for each academic year is 28 weeks.

14. Student transfers

Student transfers shall be as per the statutes and ordinances of the Annamacharya University and guidelines issued by the Government of Andhra Pradesh from time to time.

15. Announcement of results

- Results review committee comprising of Vice Chancellor, Registrar, Dean Academics, Dean/Officer in Charge and Controller of Examinations will monitor the results and gives the permission for announcement of results.
- After review meeting results are loaded into university website from which students can access their results by entering Hall Ticket number and also results in form of hard copy are available with respective Deans / Heads of the departments.

16. General Instructions:

- The academic regulations should be read for purpose of any interpretation.
- Malpractices rules-nature and punishments are appended.
- Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor / Registrar / Governing body is final.

- Any legal issues are to be resolved in Rajampet Jurisdiction.
- The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.Appendix-I: Internship Guidelines

Appendix I Internship Guidelines for AOTT Students

The Dean / Head of the Department of AOTT will arrange internship for students in Hospitals after the third year as per the guidelines of the National Health Authority, National Commission for Allied Healthcare Professionals, Dr.NTR University of Health Sciences and the University regulations.

The general procedure for arranging internship is as follows:

Guidelines For Internship

1. The internship is compulsory.
2. Duration of the internship shall be one year.
3. Maintain professionalism at all times, including OT attire, communication and interactions with respect to patient confidentiality and adhere to Hospital and University rules & regulations.
4. Follow the chain of command and communicate effectively with supervisors and team members.
5. The degree of Baccalaureate in Anaesthesia and Operation Theatre Technology shall be awarded after the completion of internship.
6. The candidate should make the entries in the log book daily, countersigned by (Concern faculty) the Assistant Professor /Associate Professor / Professor / Head of the Department.
7. The logbook is to be submitted to the Department at the time of the final examination. **Evaluation of Internees**:
8. Educative assessment/Assessment for learning: Assessment of the internees on daily basis during internship and postings should done by the Head of the Department. Objective – To develop minimum professional skills. Maintaining Log book by internees
9. Cumulative assessment: Under the observation of Technical staff/Faculty of the concerned department and maintained Log book by the interns. Certificate shall be issued after these two evaluations.
10. Duration of Internship: One year
11. Total working hours – Minimum 1440 hours
12. Total working hours/day - 8 hours/day
13. Lunch Time – 1 hour

Protocol for Internship Postings

Department/Area of Posting	Nature of Posting	Duration of Posting
Anesthesia Department	Regular	5 Months
Critical Care Unit	Regular	1 Month
General Surgery, Obstetrics & Gynecology	Regular	1 Month
Uro surgery & Pediatric Surgery	Regular	1 Month
CTVS & Neurosurgery	Regular	1 Month
Emergency/Trauma OT & Orthopedics OT	Regular	1 Month
Robotic Surgery	Regular	1 Month
Minor Surgery	Regular	1 Month

Appendix II: Norms and Procedures for Challenge Evaluation/Revaluation/Recounting

Revaluation / Recounting:

- The students who wish to apply for Revaluation/Recounting of his/her answer-books(s) must submit his/her application on the prescribed form together with the requisite fee to the Controller of Examinations before expiry of 15 days excluding the date of the declaration of his/her examination result. Application not received in the prescribed form or by the due date or without the requisite fee shall be rejected.
- After Recounting / Revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks. If there are no changes, the student shall be intimated the same through a notice.
- No Revaluation / Recounting for Laboratory Examination.
- The students are informed to be more careful in furnishing the information while applying for Recounting / Revaluation. The applications with insufficient information will be summarily rejected and the student has to forfeit the amount paid in this connection.

Challenge valuation:

- Applications are invited from the students who wish to apply for Challenge Valuation in the subjects of all courses in Regular and Supplementary examinations.
- The student will apply for Challenge valuation in a specified application and should be routed through the respective Head of the Colleges/ Schools / HOD to the examination section.
- A Fee of Rs. 15000/- (Fifteen Thousand Rupees Only) for each paper is to be paid within the last date for challenge valuation.
- A Xerox copy of the answer script will be provided to the student on receipt of the payment of fee and date and time of the valuation will be informed to the student, so that valuation will be done in the presence of the teacher attended in support of the student nominated by the respective Head of the Colleges/ Schools / HOD.
- The respective Head of the Colleges/ Schools / HOD will nominate a teacher of the subject concerned to observe the valuation in support of the student. This will be done at the request of the student.
- If the marks obtained in the challenge valuation are more than or equal to 15% of the maximum marks with respect to the original marks obtained in the first valuation, then the marks obtained in the Challenge valuation will be awarded to the student and the University will pay back Rs 13,500 (Thirteen thousand five hundred rupees only) to the student. If the student status changes from fail to pass, an amount of Rs. 7,500 will be refunded to the student. Otherwise, there will not be any change in the result of the student and original marks will be retained and the student will forfeit the fee paid.
- No Challenge valuation for Laboratory Examination / project work / skill courses

Appendix III

Rules for Disciplinary Action for Malpractices / Improper Conduct in Examinations

Malpractices identified by squad or special invigilators or invigilators. Punishments shall be given to the students as per the above guidelines. The case is to be referred to the malpractice committee.

Malpractice committee

1. The Vice Chancellor, Chairman
2. Registrar, Member
3. Dean, Academics, Member
4. Invigilator, Member
5. Subject expert, Member
6. Concerned Dean / Head of the Department, Member
7. Controller of Examinations, Member Secretary

Note:

Whenever the performance of a student is cancelled in any subject/subjects due to Malpractice, he must register for End Examinations in that subject/subjects consequently and must fill all the norms required for the award of Degree.

	Nature of Malpractices/Improper conduct	**Punishment**
	If the candidate:	
	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.

	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that year/year. The Hall Ticket of the candidate is to be cancelled and sent to the registrar, Annamacharya University.
	Impersonates any other can didate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred for four consecutive years from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. The

		performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that year/year. The candidate is also debarred for four consecutive years from class work and all University examinations, if his involvement is established. Otherwise, the candidate is debarred for two consecutive years from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.

	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that year/year. The candidate is also debarred for two consecutive years from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject only.
	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer−in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer−in−charge, or any person on duty in or outside	In case of student of the University, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that year/year. If the candidate physically assaults the invigilator/officer−in− charge of the Examinations, then the candidate is also debarred and forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case is registered against them.

	the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the University campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the	

	tendency to disrupt the orderly conduct of the examination.	
	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that year/year. The candidate is also debarred for two consecutive years from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining

		examinations of the subjects of that year/year. The candidate is also debarred and forfeits the seat.
	If students of the university, who is not a candidate for the particular examination or any person not connected with the University indulges in nay malpractice or improper conduct mentioned in class 6 to 8.	Student of the university expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that year/year. The candidate is also debarred and forfeits the seat. Person (s) who does not belong to the University will be handed over to police and, a police case will be registered against them.
	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that year/year.
	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject only or in that subject and all other subjects the candidate has appeared including practical examinations and project work of that year / year examinations, depending on the recommendation of the committee.
	If any malpractice is detected which is not covered in the above clauses 1 to 12 shall be reported to the University for further action to award suitable punishment.	