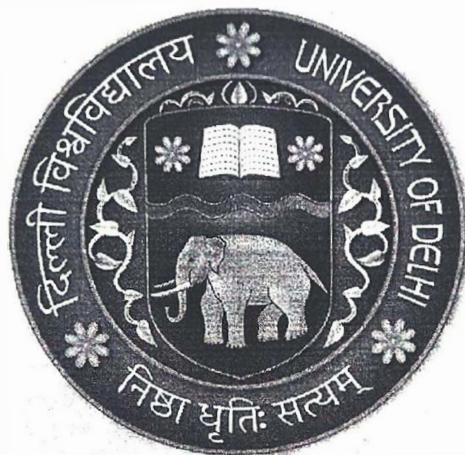


ORDINANCE

**Bachelor's in Anaesthesia and
Operation Theatre Technology (B.AOTT)**

As per NCAHP Act -2021



As per Approved Syllabus 2025

**UNIVERSITY OF DELHI
DELHI-110007**

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ABOUT THE COURSE

The Bachelor's (Baccalaureate) of Anaesthesia and Operation Theatre Technology (B.AOTT) is a competency-based professional undergraduate programme offered by the University of Delhi to prepare allied healthcare professionals for anaesthesia support, perioperative care, operation theatre management, critical care assistance, and emergency support services. The programme is aligned with the National Commission for Allied and Healthcare Professions (NCAHP) Act, 2021, and is in consonance with the Approved Syllabus 2025 for Anaesthesia and Operation Theatre Technology issued by the Ministry of Health and Family Welfare, Government of India.

The course is of four years' duration, spread over eight semesters, and includes a mandatory one-year clinical internship. It is designed to develop technically competent, clinically oriented professionals who can function effectively under the guidance of medical specialists as part of a multidisciplinary healthcare team.

The curriculum integrates foundation subjects such as anatomy, physiology, pharmacology, pathology, microbiology, medical ethics, patient safety, communication skills, and healthcare delivery systems with professional training in anaesthesia techniques, operation theatre management, handling of anaesthesia and surgical equipment, CSSD practices, medical gas pipeline systems, intensive care, assistance during routine, emergency, and disaster situations. Training also extends to non-operating room anaesthesia locations such as CT/MRI suites, catheterization laboratories, endoscopy and interventional suites and pain procedure areas.

The programme has strong employability potential across a wide range of healthcare settings. Graduates may work as Anaesthesia Technologists, Operation Theatre Technologists, OT and Recovery Room Technologists, ICU or Critical Care Support Technologists, CSSD Technologists, Cath Lab or Non-Operating Room Anaesthesia (NORA) Technologists, OT In-charge, Technical Assistants, or Technical Officers. Opportunities may also be available in the medical equipment industry, hospital technology services, teaching and training institutions, and advanced healthcare support systems, reflecting the growing demand and wider professional acceptability of this qualification.

P. Santhosh
25/5/2026

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LEARNING OBJECTIVES

At the completion of this course, the student should be –

- Able to help the anesthesiologist in administering anesthesia, assist in various procedures and also help in continuous monitoring of patients during surgery.
- Able to independently handle the latest technology and high-end biomedical equipment in Operation Theatre
- Able to assist anesthesiologists in developing and implementing patient anesthesia care plans, including pre-operative, surgical theater, recovery room, and post-operative care procedures.
- Able to do-patient data record keeping, catheter insertion, airway management, assisting the administration and monitoring of regional and peripheral nerve blockades, support therapy, adjusting anesthetic level during surgery, peri-operative monitoring, postoperative procedures, patient education and administrative tasks.
- Able to assist in Intensive care unit as well.
- Able to assist during Disaster and emergency situations as well.
- Able to manage medical gases and pipeline system.
- Able to manage Central Sterile Supply Department (CSSD) and be well versed with sterile techniques for anesthesia and surgical equipment.

EXPECTATION FROM THE FUTURE GRADUATE IN THE PROVIDING PATIENT CARE

1. The Course prepares the operating theatre technologist to work as a competent, reliable member of the health care team under the guidance and supervision of doctors in their delivery of patient care, training also focuses on the knowledge and skills of monitoring infection control policy and procedures in the operating theatre.
2. Employment opportunities can be found in hospitals in both private and public sectors as well as in independent trauma centers.
3. B.AOTT graduate is encouraged to pursue further qualification to attain senior position in the professional field, also to keep abreast with the advance and new technology, the professional should opt for continuous professional education credits offered by national and international institutes.

R. Ravi
25/5/2026

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SCHEME AND SYLLABUS

➤ **Programme Name:**

Bachelor's in Anaesthesia & Operation Theater Technology (B.AOTT)

➤ **Duration of course:**

04 years (Including One year of Clinical Internship)

➤ **Semester Mode:**

Phase-I: Semester I & II

Phase-II: Semester III & IV

Phase-III: Semester V & VI

Phase IV: Semester VII & VIII (Including One Year Clinical Internship)

All the semester will be evaluated as per Choice Base Credit System (CBCS)

➤ **Intake of students per year:**

The intake of the student per year shall be as per the permission granted by Govt. of NCT Delhi and approved by the University of Delhi.

➤ **Eligibility:**

10+2 or equivalent examination with science subjects (Physics, Chemistry, Biology and English) from a recognized Board/University with minimum 50% marks for UR/EWS, 45% for OBC & 40% for SC/ST/PwBD candidates. In addition, the students are required to qualify the NEET – UG Examination.

➤ **Medium of Instruction:**

English

➤ **Admission Procedure:**

Through the merit of NEET-UG score. Students need to apply to the concerned Institute for counseling.

➤ **Faculty:**

The concerned College/Institution would be required to submit an undertaking that the requisite faculty will be made available at its own level to run the course as per Delhi University norms.

➤ **Infrastructure:**

Existing infrastructure of the Institution

➤ **Commencement of session:** As per Academic Calendar of the University.

➤ **Closing date of Admission:** As per Academic Calendar of the University.

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➤ **Duration of Course:**

04 Years (Including One Year Clinical Internship)

➤ **Maximum span period:** 06 Years (from the admission)➤ **Coordinating Department/College:**

Department of Anaesthesiology & Critical Care, Faculty of Medical Sciences, University of Delhi

Sl. No.	ACADEMIC Phase/Year	SEMESTER	DURATION
1	Phase-I	1st & 2nd	06 months each
2	Phase-II	3 rd & 4 th	06 months each
3	Phase-III	5 th & 6 th	06 months each
4	Internship	7 th & 8 th	06 months each

ELIGIBILITY CRITERIA FOR ADMISSION

A candidate who is an Indian citizen is eligible for admission to the course if he/she fulfills the following requirements:

1. **Age On Admission:** An Applicant should have attained or will attain the age of 17 (seventeen) years as on or before 31st December of the admission year.
2. The candidates must have passed 12th class examination under 10+2 systems as regular students conducted by the CBSE/Council for the Indian School Certificate Examination/Jamia Milia Islamia/Other Govt. recognized board of states. The candidates who have passed 12th from Patrachar Vidyalaya or National Institute of Open Schooling will also be eligible if he/she has the Study Centre and Examination Center is in Delhi NCT only.
3. For admission under Delhi Quota (85% of total intake), recognized school conducting classes of 11th and 12th Standard & situated within the National Capital Territory of Delhi only, will be eligible for admission with the required subject i.e. Physics, Chemistry, Biology (Botany and Zoology) and English (core or elective).
4. For admission under the All India Quota (15% of total intake), recognized school conducting classes of 11th and 12th Standard & situated other than/outside the National Capital Territory of Delhi, will be eligible for admission with the required subjects i.e. Physics, Chemistry, Biology (Botany and Zoology) and English (core or elective).

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5. A candidate shall not be eligible for admission to the B.AOTT course, if at the time of counseling as following :
- If he/she does not pass the qualifying examination i.e. 12th standard and NEET – UG with required eligibility criteria.
 - If he/she is placed under a compartment.
 - If he/she is re-appearing for improvement.

SELECTION PROCEDURE:

- All the candidates who are found provisionally eligible as per the NEET –UG score shall apply to the concerned Institute for counseling.
- However, any candidate provisionally admitted in the Course and found ineligible at the later stage, his/her candidature will be cancelled.

RESERVATION

The reservation roster for admission in respect of SC/ST/OBC/EWS and PwBD candidates shall be followed as per the approved guidelines of Government of India and University of Delhi. Single Girl Child Quota and Ward Quota will be applicable as per norms of University of Delhi.

SURETY BOND MONEY

A bond worth Rs.1 lakh with two sureties should be executed by the applicants at the time of their provisional admission. The admission will not be valid unless and until the Surety Bond is executed by the applicant.

Rules regarding payment of Surety Money:-

- If a student surrenders seat in violation of Delhi University Rules/instructions after joining the allotted institution.
- If the student leaves the course before its completion.
- If the admission/registration of the student is cancelled/terminated by the University/College on account of unsatisfactory performance/misconduct/indiscipline.

The Original Certificates of the students would be kept in the custody of the admitting Institution and would be returned only after completion of the course or on payment of Surety Bond money, as the case may be. The Thirty Percent (30%) of the Bond Money thus collected will be deposited with the University (Faculty of Medical Sciences) by the institution and the rest would be utilized by the Institution for development of U.G teaching and training programmes.

MIGRATION:

No Migration (to and fro) is permitted.

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CANCELLATION RULES/FEE REFUND RULES:

Will be applicable as per the norms of the College/University applicable time to time.

MEDICAL EXAMINATION:

Will be applicable as per the norms of the College/Institution/University as notified from time to time.

GENERAL

If any candidate selected for admission fails to join the course by the prescribed date, his/her seat shall be offered to the candidate next in the merit in the category, without any further correspondence.

Selected candidates shall be required to bring the following certificates, in original, for verification. Failure to produce the same may result in cancellation of admission:

- All original certificates showing the eligibility of the candidate for admission to the 1st year Bachelor's in Anesthesia & Operation Theater Technology (B.AOTT) Course.
- Certificate from the District Magistrate or the officials as specified by the Govt. of India showing that the applicant belongs to Scheduled Caste/Tribe/OBC-NCL (Central List) /PwBD/EWS Category.
- Character certificate from the Head of the Institution last attended.
- In case the candidate is already employed, a No Objection or Relieving Certificate to pursue the said course from the Head of the Office/Institution is required to be submitted.

CLARIFICATIONS:

- Any directions with regards to reservation provision in respect of PwBD candidates received from the University of Delhi/Govt. in connection with the admission shall be followed accordingly.
- The college reserves the right to revise, amend, update or delete any part of this bulletin, rules & regulations at its discretion as & when considered necessary by the competent authority of the College/University of Delhi.
- The admission offered for the 1st year Bachelor's in Anesthesia & Operation Theater Technology (B.AOTT) Course shall be "Provisional" and in case any discrepancy/shortcoming/dispute/error with regard to the selection of the candidate is detected at any stage in the eligibility criteria or other norms laid down in the prospectus for admission to the 1st year Bachelor's in Anesthesia & Operation Theater Technology (B.AOTT) Course shall be cancelled and the decision of the College/University of Delhi shall be final and binding on the candidate.

R. K. Gupta
25/5/2026

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J. K. Singh
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DISCIPLINE

1. The student shall submit himself/herself to the disciplinary jurisdiction of the Hon'ble Vice Chancellor and several authorities of the University who may be vested with the authority to exercise discipline under the Act, the Ordinance and the Rules that have been framed by the University from time to time.
2. The student should undergo the course on full-time basis. No private practice and part-time job are permissible during the duration of the course.
3. University has all the right to remove the name of the student from the rolls in case his/her work or conduct is reported to be unsatisfactory by the Head of the Department/Head of the Institution. The following undertaking to this effect should be obtained from the student at the time of admission:

"I will follow the rules and regulations of the college/Institution/University of Delhi. In case of violation, and action may be taken as per the rules laid down in the Bulletin of Information/Ordinance & by the College disciplinary committee"

4. Admission will be terminated if the student is not regular and absent unauthorized/without prior permission.

GUIDELINES REGARDING DISCIPLINE AND ANTI-RAGGING

1. All matters relating to maintenance of discipline among students in the University/affiliated Colleges and Institutions/Departments/Faculties/Halls/Hostels will be governed by Ordinance XV (B) and XV (C). Kindly refer Clause 3 - Ordinance XV (B) which defines categorically the acts of gross indiscipline on the part of student.
2. Detailed rules of discipline and proper conduct of students shall be framed at local level by the Deans of Faculties/Heads of Departments/Principals/Provosts of Halls/Hostels of Residence/ Wardens of College Hostels. These rules are to supplement rather than substitute guidelines available from the University.
3. Full publicity should be given to the existing Ordinances XV (B), XV(C) of the University & The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (14 of 2013) - website <http://wcd.nic.in/act/sexual-harassment-women-workplace-preventionprohibition-and-redressal-act-2013> along with the local level rules and regulations to render a safe and secure environment to the students especially new comers.
4. As identified in Clause 5, Ordinance XV(B) the Heads of Institutions "shall have the authority to exercise all such disciplinary powers" over students in their respective institutions. Further, they may identify a Disciplinary Resource Person (DRP) in each College/Hostel/Hall/Department/Faculty. The name, address and telephone number of the DRP should be immediately intimated to the Proctor's Office for record and reference. The DRP may directly liaison with the Proctor's Office of the University.
5. The Institutions may erect suitable hoardings/bill boards/banners in prominent places within the respective Campus to exhort the students to prevent or not to indulge in ragging. The names of the

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officials to be contacted and their telephone numbers to report any incidence of ragging should be clearly displayed on the notice board.

6. Along with the Disciplinary Committee Person, senior teachers, NCC/NSS officers, if any, and senior students may be involved to form a Disciplinary Committee (DC) at the college/faculty/ department level.
7. The DC shall be expected to maintain law and order inside the college/department. The Committee shall facilitate the Process of induction of new entrants, election of new office bearers of union/association/society, organization of functions and all related activities of the student community in their respective premises.
8. Vigilance squads may be constituted (in addition to the DC) taking help of NCC/NSS student volunteers wherever possible to keep constant vigil to avoid cases of indiscipline amongst students and any kind of untoward incident. Such squads may be specifically instructed to take timely action to prevent incidents of hooliganism, ragging, eve-teasing and any other undesirable event. The Vigilance squads should also be directed to take care of activities in and around the institutional premises including the cafeteria/canteen/dhaba/student common rooms/visitors' room/play-grounds and other places where students are likely to organize any group activity. Special attention should be given and vigilance exercised day and night over hostels and mess associated to it.
9. Sealed complaint boxes be placed in front of the Principal's Office, especially in those undergraduate colleges which have hostels, for the benefit of the potential victims of ragging to enable them to put their complaints/suggestions to College authorities. Officials in each college on whom the responsibility has been entrusted will look into those complaints and take prompt necessary action, as per University norms.
10. The Vigilance squads and the DC must act in complete coordination because ultimately action with regard to any incident of indiscipline involving any student or group of students will be recommended by the DC and thereupon respective Head of Institution will initiate the disciplinary action.
11. Each student is expected to carry his/her own identity card. Entry to the institution should be strictly governed on the verification of the identity cards carried by students. To enforce such regulated entry, Security Guards and other associated staff may be engaged. Such security staff along with the Vigilance squads may organize, from time to time, some surprise raids on the premises of cafeteria/canteen/hostels/student union rooms/general common rooms/parking lots etc.
12. The use of institutional premises beyond office hours and for specific purposes such as extra-mural activities should be allowed only with the prior approval of the institutional head. The use of institutional premises for any illegal/immoral/ undesirable purposes and activities will be strictly dealt with as per the disciplinary rules and guidelines in force. The caretaker of the building must be instructed to be alert and vigilant so as to prevent unauthorized and illegal use of institutional premises.
13. Extra-curricular activities, e.g. drama, debates, quizzes, etc. should be planned in such a way that the student community is kept engaged in constructive activities.

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14. The system of personal consultant / mentor may be introduced in colleges and departments. All new entrants may be attached both individually and collectively in a group to specific faculty member who should devote a little time and energy for helping the students individually or collectively to overcome any emotional problems resulting from adjustment to new environment, staying away from home. Ideally speaking, a student of science discipline should be given a mentor belonging to other disciplines such as humanities or commerce and vice-versa. Such a system can be a very effective step towards development of confidence and personality in young students.
15. The institutional head is authorized to negotiate directly with external agencies like Police, DTC/Metro etc. The University will render help and support towards maintenance of atmosphere of peace and harmony among students. For example, the matters like instituting a police picket, getting a PCR van for patrolling around the institution, arranging U-specials etc. can be directly taken up with appropriate authorities by the College Principal/Head of the Institution.
16. Special care must be taken to avoid harassment of any student on the basis of caste, sex, religion etc. In this regard preventive actions are more important than punitive actions.
17. The Proctorial system in the University intends to maintain a federal character of the University. It is, therefore, as per our Ordinance that local level decision and actions with regard to matters of discipline may be taken with intimation to the University Proctor's Office. Any kind of help and support that is required from the Office of the University Proctor will be made available on request and on availability of timely information. Any "distress call" to take care of any emergency situation may be made directly to the Office of the Proctor and/or Joint Control Rooms located on both North and South Campus.
18. The telephone numbers of the Principal (Head of the Institution), the Teacher designate (Disciplinary Committee Person), Warden of the Hostel/Halls, University Proctor should be prominently displayed on the Notice-Boards of the College/Institute so that students can contact them freely in case of emergency.
19. The UGC has recently formulated very strict guidelines to curb the menace of ragging which is available on their web site www.ugc.ac.in
20. As per "UGC regulations on curbing the menace of ragging in higher educational Institutes, 2009", the Principal/Head/Provost/Warden shall during the first three months of an academic year, submit weekly report on the status of compliances with Anti-Ragging measures under these regulations and monthly report on such status thereafter. The report can be sent by email to proctor@du.ac.in
21. The Ministry of Human Resource Development (MHRD), Government of India has also launched a 24x7 toll free anti-ragging helpline No. 1800-180-5522 and an e-mail facility at helpline@antiragging.in. This information may please be given wide publicity.
22. A Control Room, jointly manned by Delhi Police and the University Officials at Room No. 13, 1st Floor, Proctor's Office, Conference Centre Opposite Department of Botany, University of Delhi, Delhi-7, would function to deal with any untoward incident. Telephone Number of Joint Control Room in North Campus is 27667221. The Joint Control Room Telephone Number in South Delhi Campus is 24119832. It is, therefore, requested that Principals, Heads of the Departments and Provosts of Halls/Hostels, disseminate information to students and Hostel/Hall residents about the location and functioning of the Joint Control Rooms.

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23. An Undertaking must be taken from all the students / hostel residents as well as his / her parents / guardian. In order to make the process easy, UGC has launched a web portal for online facility for undertakings. These undertakings can be filled-in from any of the below mentioned two websites:

<http://www.antiragging.in>

<http://www.amanmovement.org>

24. Anti-Ragging App designed by the University Grants Commission can be downloaded.
25. Himmat App can be downloaded from Delhi Police website.
26. UGC has issued an Advisory to observe Anti Ragging Day on 12th August followed by Anti Ragging Week from 12th August to 18th August.

AFTER ADMISSION

➤ Attendance Criteria:

To appear in the Phase, I, II, III & IV University Examinations, 75% Attendance in theory and 80% in skills training (practical)/Clinical is compulsory. Attendance is determined on the day-to-day room posting, lectures in theory and practical classes held in a year. Each component is weighed equally. Attendance will be counted from the commencement of the regular classes.

➤ Fee

Fee for - Bachelor's in Anaesthesia & Operation Theater Technology (B.AOTT) Course will be as per the notification of the University of Delhi/concerned College/Institute.

Note: In case a candidate fails to clear the course within stipulated time of 04 years, he/she will be required to pay the additional fee as per rule.

➤ Examination Fee or Late Fine (if any)

As per the rules of University of Delhi.

ATTENDANCE AND APPEARANCE FOR EXAM:

1. A candidate has to secure minimum- 75% Attendance in theory and 80% in skills training (practical)/Clinical is compulsory to appear for each end semester examination. No relaxation, whatsoever, will be permissible to this rule under any circumstances.
2. In case of shortage of attendance in theory/clinical/practical: the candidate will be allowed to appear in the subsequent semester examinations only after fulfillment of shortage (by attending the clinical/practical posting/theory classes).

R. Santosh
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Swamini
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CARRY OVER BENEFIT:

1. 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) 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.
 - b) 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.
 - c) 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.
 - d) 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.
 - e) Results of candidates will be declared at the end of VI semester only when the all-backlog subjects are cleared by the candidates.
2. **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 (RECHECKING):

Re-totalling (Rechecking) of marks is permitted only for theory papers. The University, on application within the stipulated time and remittance of a prescribed fee, shall permit a re-totalling (Rechecking) of marks for the course/s applied. The marks obtained after re-totalling (Rechecking) shall be the final marks awarded.

CRITERIA FOR PASS

1. 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.
2. A candidate having shortage of attendance shall repeat the exam when it is conducted next.

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

AWARD OF DEGREE

The candidate will only be eligible for University Degree after completion of the Course with Internship (from the same institute).

BROAD GUIDELINES FOR QUESTION PAPER:

The question papers are key tools in assessing student learning process. Question papers are very meticulously planned so as to spread over the entire syllabus and possibly imbibe all components of assessment such as:

1. Knowledge
2. Comprehension
3. Application
4. Analysis & Evaluation

General Suggestions for Paper Setter

1. Paper 'Setter shall take into consideration while making the Question Paper, the respective weightage of the different sections as expressed in percentages in the course syllabus.
2. Part-I & II should include questions from each Section of the Course.
3. Paper Setters are free to choose questions of their choice.
4. Long questions should be framed in various components with weightage of each component duly specified.
5. While framing questions, kindly make sure the questions are appropriate as per the B.AOTT Programme syllabi.

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EXAMINATION SCHEME:

Examinations will be conducted by University of Delhi at the end of each semester which will include theory and practical.

ELIGIBILITY OF EXTERNAL EXAMINERS:

MD/MS with minimum three years' experience in Anesthesiology. There shall be a minimum two examiners (1 external + 1 internal).

STIPEND:

Stipend (if any) will be paid subject to approval by Govt. of India/Govt. of NCT of Delhi.

CURRICULUM OUTLINE
TEACHING AND EXAMINATION PATTERN**ANNEXURE - I**

(L - Lectures, T - Theory, P/D - Practical/Demonstration, CLP - Clinical Posting, CR - Credits.

IA - Internal Assessment, SEE - Semester End Examinations.

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25/5/2026

J. Jais
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