



IACTS CERTIFYING EXAMINATION FOR CARDIOTHORACIC SURGICAL PHYSICIAN ASSISTANTS

Dear all,

IACTS 2026 (Mumbai) will be conducting the Cardiac Surgical Physician Associate Certifying Exam during the upcoming national conference. Kindly note the following important details:

📌 Exam Overview

- **Format:** Written MCQ exam + Viva
- **Duration:** 90 minutes
- **Approx.** 120 MCQs

✔ Eligibility (as per previous IACTS guidelines)

- B.Sc / M.Sc Physician Associate qualification
- Minimum 2 years' experience in a cardiac surgery unit
- Two testimonials (training institute + current institution)
- Should be a member of IAPA

The exam will cover all aspects of patient care in cardiac surgery

SYLLABUS CONTENT

| SECTION NO | TOPICS |
|------------|--|
| SECTION A | |
| 1. | Evaluation of the cardiac patient Pathophysiology and anatomy of common cardiovascular diseases, the importance of history taking in relation to different cardiac diseases, cardiac examination, interpretation of diagnostic tests, risk stratification for cardiac surgery, pre-operative preparation (including pre-medications) and evaluation. |

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|------------------|--|
| 2. | Surgical Management Anatomical considerations during cardiac surgery, techniques of surgeries for different cardiac conditions, Concepts and techniques of hypothermia, circulatory arrest and cardiopulmonary by-pass, myocardial management during cardiopulmonary by-pass, vital organs monitoring during surgery. General considerations in central venous access, arterial access, Chest tubes placements and removal, IABP insertion and removal, tracheostomy |
| 3. | Post-operative Management Recognition and management of common postoperative complications, complications specific to diseases, fluid and electrolyte management, acid-base balance, post-operative arterial blood pressure, heart rhythm, renal output and cardiac index, principles of mechanical ventilation, nutritional requirement in the post-operative period. Anticoagulation assessment. |
| Section B | |
| 1. | Preventive Cardiology and cardiac rehabilitation <ul style="list-style-type: none"> Prevention of occurrence and progression of disease, reduce the risk of stroke. Reduce the need for future surgery. Increasing quality of life. |
| 2. | Pharmacology Antithrombotics, anticoagulation, analgesics, antihypertensives, antiarrhythmics, antianginals, lipid lowering agents, diuretics, antidiabetics, inotropes, chronotropes-indications, contraindications, side effects, adverse effects, drug-drug interactions. Fundamentals of anaesthesia. |
| 3. | Microbiology Sources of surgical infection, wound infections, important organisms (staphylococci, MRSA,), surgical precautions, principles of asepsis, antisepsis, sterilization, commonly used antibiotics, antibiotic resistance, Blood borne viruses |
| 4. | Medical Ethics The informed consent, patient safety, dealing with the non-compliant patient, withdrawing life-sustaining treatment, ethics in surgical research |



Certification: Issued by IACTS upon successful completion



Exam Fee Rs. 1000

Payment Link and details will be updated in the website shortly.

APPLICATION FORM

NAME:

AGE:

SEX:

ADDRESS:

MOBILE NO:

EMAIL:

WORK EXPERIENCE:

ENCLOSED LIST:

- | | |
|---|--------------------------|
| 1. Bachelor degree University certificate | <input type="checkbox"/> |
| 2. Two letters of recommendation | <input type="checkbox"/> |
| 3. Curriculum Vitae | <input type="checkbox"/> |
| 4. IAPA Membership Certificate | <input type="checkbox"/> |



Application Form Submission

Kindly email your credentials, CV, degree certificates to

saikumaricn@yahoo.co.in

Keep these emails in cc-

anbarasu.mohanraj@gmail.com, rockfordashish@gmail.com,
sandyshil18@gmail.com, tacharia@gmail.com

And also courier all these copies to

Dr Anbarasu Mohanraj

Director - CVTS

Kauvery hospital

225A, 23/1, Arcot Rd, Ottagapalayam, Kannika Puram, Vadapalani, Chennai, Tamil Nadu 600026