



Indian National Centre for Ocean Information Services (INCOIS)

An Autonomous Body under the Ministry of Earth Sciences (MoES), Govt of India

“Ocean Valley”, Pragathi Nagar (BO), Nizampet (SO)

Hyderabad, Telangana-500090

Advt. No. INCOIS/RMT/01/2026

Detailed Syllabus of subjects in Part B

06.10.2026

Post Code -1

- Physics (Classical Mechanics, Properties of Matter, Thermodynamics, Optics, Sound and Waves)
- Mathematics (Linear Algebra, Differential and Integral Calculus, Vectors and Vector Calculus, Trigonometry, Geometry, Numerical Analysis)
- Electronics (Semiconductor devices, Semiconductor manufacturing and packaging, Analog Mixed Signals and RF circuits, Electronics Design and Automation, Display Technology, Power Electronics, Wireless communications)
- Computer Science (Computer architecture, Operating Systems: Linux/Windows, Networking, Data Structure and Database Management System, Programming/Scripting with C/Fortran/Python)

Post Code- 2

- Mathematics (Linear Algebra, Differential and Integral Calculus, Vectors and Vector Calculus, Trigonometry, Geometry, Numerical Analysis)
- Physics (Classical Mechanics, Properties of Matter, Thermodynamics, Optics, Sound and Waves)
- Chemistry (Atomic structure and chemical bonding, states of matter, organic chemistry, Electrochemistry, Molecular Spectroscopy, Polymer Chemistry, Biochemistry)
- Electronics (Semiconductor devices, Semiconductor manufacturing and packaging, Analog Mixed Signals and RF circuits, Electronics Design and Automation, Display Technology, Power Electronics, Wireless communications)
- Computer Science (Computer architecture, Operating Systems: Linux/Windows, Networking, data structure and database management system, Programming/Scripting with C/Fortran/Python)



Post Code- 3

- Library and Information Science: Library Classifications and Cataloguing, Computer Applications in LISc and Digital Library, Information Sources and Services, Communications

Notes:

- Part B question papers of Post Code -1 and Post Code-2 will contain on all subjects specified in the advertisement. No separate question papers will be provided for different subjects mentioned in the advertisement/syllabus.
- Part B will have total **30 questions** and will contain **equal number of questions from all subjects** mentioned in the advertisement. Each question carries 2 marks. Maximum mark for Part B is 60 marks. 0.25 marks will be deducted for each wrong answer. **Hence candidates will have to answer all 30 questions spread across all subjects mentioned in the advertisement correctly to score full marks in Part B.**
- Minimum Qualifying marks for Part A will be decided after evaluating the answer sheets. The Part B answer sheets of those applicants who score the stipulated minimum marks or above (**WITHOUT rounding off to the nearest integer**) in Part A only will be evaluated.
- Final selection list will be prepared by adding marks in Part A and Part B with uniform weightage.