

The minimum essential qualifications:

Technical Assistant:

| Post Code, No. of Post(s) & Reservation of the Posts | Minimum Essential Qualification, Desirable Qualification & Job Requirement/ Nature of work |
|---|--|
| <p>Post Code – TA01</p> <p>01 Post (01 - UR)</p> | <p>Minimum Essential Qualification: Diploma in Electronics / Electronics and Communications / Electronics and Telecommunications / Electrical and Electronics / Computer Hardware and Networking of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/ field.</p> <p>(OR)</p> <p>Diploma in Electronics / Electronics and Communications / Electronics and Telecommunications / Electrical and Electronics / Computer Hardware and Networking of at least 02 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/ field.</p> <p>Desirable Qualification: The candidate should have experience in managing Linux / Windows servers, workstations, and should have relevant certifications.</p> <p>Job Requirement/ Nature of work: System administration of all endpoints, and overall maintenance of the server room infrastructure; Programming in C / C++ / Python, and implementation of security compliance requirements of the institute.</p> |
| <p>Post Code – TA02</p> <p>01 Post (01 - UR)</p> | <p>Minimum Essential Qualification: Diploma in Electronics / Electronics and Communications / Electronics and Telecommunications / Electrical and Electronics / Computer Hardware and Networking of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/ field.</p> <p>(OR)</p> <p>Diploma in in Electronics / Electronics and Communications / Electronics and Telecommunications / Electrical and Electronics / Computer Hardware and Networking of at least 02 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/ field.</p> <p>Desirable Qualification: The candidate should have experience in managing network switches, routers, firewalls, CCTV, WiFi, LAN, etc.</p> <p>Job Requirement/ Nature of work: Installation, configuration and management of entire network infrastructure such as network switches, routers, firewalls, CCTV, Wi-Fi, Fiber optics, LAN, etc., and implementation of security compliance requirements of the institute.</p> |
| <p>Post Code – TA03</p> <p>02 Posts (02 - UR)</p> | <p>Minimum Essential Qualification: B.Sc. in any branch with Archaeology / Environmental Sciences / Geology/ Geography as a major subject or equivalent, with minimum 60% marks and one year experience in relevant discipline from a recognized Institute/Organisation.</p> <p>(OR)</p> <p>B.Sc. in any branch with Archaeology / Environmental Sciences / Geology/ Geography as a major subject or equivalent, with minimum 60% marks and one year full time professional qualification.</p> <p>Desirable Qualification: Diploma in underwater Archaeology. Any experience in field of archaeology shall be preferred.</p> <p>Job Requirement/ Nature of work: Explorations/ Excavations of underwater archaeological sites by diving, underwater videography and photography, coastal archaeological explorations and excavations, research and analysis of archaeological findings/antiquities from archaeological sites, preparation of reports and research publications.</p> |

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| Post Code – TA04 02 Posts (01 – UR, 01 - OBC) | <p>Minimum Essential Qualification: Diploma in Civil Engineering/ Technology of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/field. (OR) Diploma in Civil Engineering/ Technology of at least 2 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/field.</p> <p>Desirable Qualification: Knowledge in computer and AutoCAD software.</p> <p>Job Requirement/ Nature of work: Day to day Maintenance and preventive maintenance of buildings including plumbing, carpentry, building supervision in residential and office buildings. Preparation of Estimates, Bills, AutoCAD drawings, day to day supervision of works, recording measurements, Liaisoning with local authorities. Any other duties related to estate management assigned by the reporting officer.</p> |
| Post Code – TA05 02 Posts (02 - UR) | <p>Minimum Essential Qualification: B.Sc. in Computer Science or Bachelor of Computer Applications or equivalent, with minimum 60% marks and one year experience in relevant discipline from a recognized Institute/Organisation. (OR) B.Sc. in Computer Science or Bachelor of Computer Applications or equivalent, with minimum 60% marks and one year full time professional qualification.</p> <p>Desirable Qualification: Knowledge in Corel draw, Photoshop, adobe illustrator, page setup, video editing and photography experience and relevant skills or Knowledge in Public Financial Management System, budget preparation. Proficiency in using data processing software such as Microsoft Office packages like Word, Excel, etc.</p> <p>Job Requirement/ Nature of work: Designing and drawing of posters, banners, flyers, creative designing for the publications. Jobs related to setting and formatting publications. Attend to visitors and brief on the activities of the institute, organize scientific exhibitions, posting news on social media. Any other duties/jobs/works related to the institute outreach activities including photography and videography as and when required. Day to day monitoring and maintenance of the records of all the projects of the institute and provide support in evaluation of the projects. Render help in preparation of the budget. Allocate funds in all ongoing projects. Provide inputs during the auditing. Any other duties related to projects assigned by the reporting officer.</p> |
| Post Code – TA06 05 Posts (03 - UR, 01 - EWS, 01 - SC) | <p>Minimum Essential Qualification: Diploma in Electronics Engineering/ Electronics and communications/Instrumentation Engineering of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/field. (OR) Diploma in Electronics Engineering/ Electronics and communications/Instrumentation Engineering of at least 2 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/field.</p> <p>Desirable Qualification: Minimum 2 years of experience in handling oceanographic field equipment or experience in on board system integration, sensor calibration, and real-time troubleshooting or experience in design of electronics for underwater systems, PCB design, Power electronics and Communications systems, debugging and fault finding in several task of the institute's interest.</p> <p>Job Requirement/ Nature of work: Planning, execution, and technical support for marine surveys. Installation, troubleshooting, and real-time monitoring of field instruments. Assisting scientific teams in data acquisition, sensor calibration, and pre-survey setup and deployment of instruments. Participation in fieldwork, including offshore and coastal survey and deployments.</p> |

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| Post Code – TA07 03 Posts (02 - UR, 01 - ST) | <p>Minimum Essential Qualification: Diploma in Mechanical Engineering of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/field. (OR) Diploma in Mechanical Engineering of at least 2 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/field.</p> <p>Desirable Qualification: Minimum 2 years of experience in operation and maintenance of marine survey deployment systems (winches, towing systems, cable handling) or deploy and retrieval of survey instruments in coastal and offshore environments or experience with hydraulic and mechanical components of marine survey vessels or experience in on board system integration, sensor calibration, and real-time troubleshooting or design and fabrication of components for underwater robots and other related equipment. Proficiency in operating lathe and CNC machines, Strong knowledge of CAD and CAM software, such as SolidWorks, Fusion 360, and AutoCAD. Experience in operating 3D printers for additive manufacturing using polymers like ABS.</p> <p>Job Requirement/ Nature of work: Handling mechanical components of survey systems and vessel, troubleshooting, and modifications during surveys. Maintenance of winches, cables, deployment systems, and marine geophysical instruments. Extensive fieldwork, including deployments on research vessels. Design and fabrication of components for underwater robots and other related equipment.</p> |
| Post Code – TA08 02 Posts (01 - UR, 01 - OBC) | <p>Minimum Essential Qualification: B.Sc. in Biology/Zoology/Botany or equivalent, with minimum 60% marks and one year experience in river/lake/marine water/sediment sample analysis for biological parameters from a recognized Institute/Organisation. (OR) B.Sc. in Biology/Zoology/Botany or equivalent, with minimum 60% marks and one year full time professional qualification in the relevant field or in the field of river lake/marine water/sediment sample analysis for biological parameters.</p> <p>Desirable Qualification: Experience in sampling and analysis of water/sediment samples on board ship/mechanized boats. Proficiency in using data processing software such as Microsoft Office packages like Word, Excel, etc. is preferred.</p> <p>Job Requirement/ Nature of work: Carry out collection and laboratory analysis of water or sediment samples using sophisticated scientific instruments. Participation in the institute's oceanographic research cruises and field trips as and when required. Assist the research team in data interpretation and report preparation</p> |
| Post Code – TA09 02 Posts (01 - UR, 01 - OBC) | <p>Minimum Essential Qualification: B.Sc. Chemistry or equivalent, with minimum 60% marks and one year experience in river/lake/marine water/sediment sample analysis for chemical parameters from a recognized Institute/Organisation. (OR) B.Sc. Chemistry or equivalent, with minimum 60% marks and one year full time professional qualification in the relevant field or in the field of river/lake/marine water/sediment sample analysis for chemical parameters.</p> <p>Desirable Qualification: Experience in sampling and analysis of water/sediment samples on board ship/mechanized boats. Proficiency in using data processing software such as Microsoft Office packages like Word, Excel, etc. is preferred.</p> <p>Job Requirement/ Nature of work: Carry out collection and laboratory analysis of water/sediment samples using sophisticated instruments, including upkeep of laboratories and various facilities. Participation in research cruises and field trips along with the other project team members as and when required. Assist the research team in data interpretation and report preparation</p> |

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| Post Code – TA10 02 Posts (01 - UR, 01 - OBC) | <p>Minimum Essential Qualification: B.Sc. Geology or equivalent, with minimum 60% marks and one year experience in river/lake/marine water and sediment sample analysis for geological parameters from a recognized Institute/Organisation. (OR) B.Sc. Geology or equivalent, with minimum 60% marks and one year full time professional qualification in the relevant field or in the field of in river/lake/marine water and sediment sample analysis for geological parameters.</p> <p>Desirable Qualification: Experience in shipboard sampling and analysis of river/lake/marine water and sediment samples for geological parameters. Proficiency in using data processing software as well as Microsoft Office packages like Word, Excel, etc. is preferred.</p> <p>Job Requirement/ Nature of work: Carry out collection and laboratory analysis of water or sediment samples using sophisticated scientific instruments. Participation in the Institute's oceanographic research cruises and field trips along with other project team members as and when required. Assist the research team in data interpretation and report preparation.</p> |
| Post Code – TA11 02 Posts (02 - UR) | <p>Minimum Essential Qualification: Diploma in Survey Engineering or Hydrographic Survey or Mining Survey of at least 3 years full time duration, with minimum 60% marks and experience of 02 years in the relevant area/field or in the areas mentioned in the nature of work. (OR) Diploma in Survey Engineering or Hydrographic Survey or Mining Survey of at least 2 years full time duration in case of lateral admission in diploma course, with minimum 60% marks and experience of 02 years in the relevant area/field or in the areas mentioned in the nature of work.</p> <p>Desirable Qualification: Minimum 2 years of experience in operation and maintenance of land/marine survey instruments in coastal and offshore environments. Experience in remote sensing and GIS.</p> <p>Job Requirement/ Nature of work: Carry out topographic and bathymetric survey. Participation in the Institute's oceanographic research cruises and field trips along with other project team members as and when required. Assist the research team in data interpretation and report preparation.</p> |

2. SUITABILITY FOR PwBDs:

| Functional Requirement | Suitable category of Benchmark Disability | Nature of Work to be performed | Working conditions |
|----------------------------|--|--|--|
| S, ST, H, W, RW, SE, C, MF | a) B, LV b) D, HH c) OA, BA, OL, CP, LC, Dw, AAV d) ASD (M), MI e) MD Involving (a) to (d) above | Assisting Scientists in R&D and other related activities including report writing, development and maintenance of software/IT/ other sophisticated scientific instruments. Collecting, tabulating & interpreting research/field data in the area related to R&D activities of the Institute. Field visits, Sample collections, Sample Testing / Processing and Analyses, Designing, Handling and operations of | The work involves activities to be carried out in the Institute as well as on field both onshore and offshore under varying weather conditions with normal, humid, cold, hot atmosphere or extreme unforeseen conditions. The individuals should be considered with aids and appliances. Work may require long working hours at times. The individual may have to work independently as well as in a team. |