भारतीय समुद्री विश्वविद्यालय
INDIAN MARITIME UNIVERSITY
(A Central University, Government of India)
Established by an Act of the Parliament in 2008
Vangali , Tekkalipalem (PO), Near Rayavarapu Agraharam, Sabbavaram (MD)
Visakhapatnam Campus - Visakhapatnam – 531 035 Andhra Pradesh
Website : www.imuv.edu.in GST 37AAAAI2610K2ZV

Advt. No. IMUV/R/1456/04/2022-Estt.(R) Date: 17/12/2022

Applications are invited for engagement on contract basis against the post of (i) Junior Laboratory Assistant (Physics), (ii) Senior Technician (Structural Lab), (iii) Senior Technician (MechanicalWorkshop), (iv) Senior Technician (Welding & Fitting), (v)Senior Technician (Naval Architecture). The contract appointments would be for a period of six months initially and extendable based on performance. Mode of selection is Skill Test. The syllabus for the skill test is enclosed. Last date for submitting application is **31/12/2022**. The consolidated remuneration shall be commensurate with the qualifications and experience with a starting of Rs.30,000/- per month.

Applications along with all the supportive documents are to be sent by email to recruitment.vizag@imu.ac.in. No TA/DA is payable for appearing in the Skill Test. The candidates have to bring the original and three photostat copies of the submitted application, original certificates of their educational qualifications and adequate proof of work experience along with one set of photostat copies of the same for verification while appearing in the Skill Test.

On Contract Basis

1. Eligibility Criteria For Junior Laboratory Assistant (Physics)

1.	Name of the Post	Junior Laboratory Assistant (Physics)
2.	Number of Posts	1
3.	Age limit	Not exceeding 35 years
4.	Educational and other Qualifications required	**Essential** : B.Sc. in Physics from a recognized University. **Desirable:** Relevant work experience for a period of 1 year.
5.	Mode of selection	Skill Test
6.	Remarks	The crucial date for determining the eligibility conditions shall be the closing date for receipt of applications from candidates.

2. Eligibility Criteria For Senior Technician (Mechanical Workshop)

1.	Name of the Post	Senior Technician (Mechanical Workshop)
2.	Number of Posts	1
3.	Age limit	1) Not exceeding 35 years 2) Not exceeding 45 years for serving / retired personnel of Indian Navy / Coast Guard

4.	Educational and other Qualifications required	**Essential** :3 year Diploma in Mechanical Engineering / Production Engineering from an institute approved by the All Indian Council of Technical Education (**or**) Petty Officer of Mechanical Engineering branch (POME) from Indian Navy or Coast Guard. **Desirable** :Relevant work experience for a period of one year.
5.	Mode of selection	Skill Test
6.	Remarks	The crucial date for determining the eligibility conditions shall be the closing date for receipt of applications from candidates.

3. Eligibility Criteria For Senior Technician (Welding & Fitting)

1.	Name of the Post	Senior Technician (Welding & Fitting)
2.	Number of Posts	1
3.	Age limit	Not exceeding 35 years
4.	Educational and other Qualifications required	**Essential** : 3 year Diploma in Mechanical Engineering from an institute approved by the All Indian Council of Technical Education and work experience for a period of 1 year in relevant field. (**or**) ITI Trade Certificate under Apprentices Act, 1961 with 3 years' work experience.
5.	Mode of selection	Skill Test
6.	Remarks	The crucial date for determining the eligibility conditions shall be the closing date for receipt of applications from candidates.

4. Eligibility Criteria For Senior Technician (Structural Lab)

1.	Name of the Post	Senior Technician (Structural Lab)
2.	Number of Posts	1
3.	Age limit	Not exceeding 35 years
4.	Educational and other Qualifications required	**Essential** : 3 year Diploma in Mechanical Engineering / Production Engineering from an institute approved by the All Indian Council of TechnicalEducation **Desirable** : Relevant work experience for aperiod of one year.
5.	Mode of selection	Skill Test
6.	Remarks	The crucial date for determining the eligibility conditions shall be the closing date for receipt of applications from candidates.

5. Eligibility Criteria For Senior Technician (Naval Architecture)

1.	Name of the Post	Senior Technician (Naval Architecture)
2.	Number of Posts	1
3.	Age limit	i) Not exceeding 35 years ii) Not exceeding 45 years for serving / retired personnel of Indian Navy / Coast Guard

4.	Educational and other Qualifications required	**Essential** : (i) 3 year Diploma in MechanicalEngineering from an institute approved by the All Indian Council of Technical Education (**or**) ii) Diploma in Ship Building Engineering from an institute approved by the All Indian Council of Technical Education (**or**) iii) Bachelor of Science Degree (Ship Building & Repair) from IMU (**or**) iv) Petty Officer in Ship Wright from Indian Navy / Coast Guard
5.	Mode of selection	Skill Test
6.	Remarks	The crucial date for determining the eligibility conditions shall be the closing date for receipt of applications from candidates.

CAMPUS DIRECTOR i/c

Please find below the Syllabus for the skill test

Syllabus for Skill Test

List of Posts for recruitment

1. Senior Technician for Mechanical Lab
2. Senior Technician for Welding and Fitting
3. Senior technician for Structural lab
4. Senior technician for Naval Architecture
5. Junior Lab Assistant for Physics Lab

Mechanical Lab Syllabus

1. Lathe- Taper turning
2. Lathe – Knurling
3. Lathe – Threading
4. Milling
5. Drilling
6. Shaping

Gas Cutting:

1. Oxyacetylene Cutting

Welding and Fitting Syllabus

Welding

1. Lap Joint
2. Butt Joint
3. Corner Joint

Fitting

1. Square T-Fitting
2. Vee - Fitting
3. L- Fitting
4. Half Dovetail Fitting

Structural lab Syllabus

1. To study the stress strain characteristics (tension & compression) of metals by using UTM.
2. Determination of compressive strength of wood
3. Determination of hardness using different hardness testing machines- Brinell's, Vicker's, and Rockwell's scales.
4. Impact Test by using Izod and Charpy Methods.
5. Deflection test on beams using UTM.
6. Direct shear test on MS rods.
7. To find stiffness and modulus of rigidity of steel by conducting compression test on springs.
8. Torsion test on circular shafts.
9. Fatigue test on mild steel specimen

Naval Architecture Lab Syllabus

1. Manually project three orthogonal 2D views and inter-match them by cross fairing (developing of lines plan) for a given offsets table.
2. Calculations and graphs of Hydrostatics, cross curves and Bonjeans
3. Calculations for a given loading condition

Physics Lab Syllabus

1. Torsional Pendulum Rigidity Modulus
2. Normal modes of coupled oscillators
3. Measurement of velocity of acoustic waves
4. Newton’s rings
5. Specific rotation of an optically active source
6. Diffraction with laser
7. Dispersive power of a prism
8. Fresnel Bi prism
9. Franck Hertz experiment
10. Photoelectric effect
11. Energy gap of a material of P -N Junction
12. Measurement of Hall effect