



I.K.GUJRAL

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PUNJAB TECHNICAL UNIVERSITY JALANDHAR

(Punjab State Govt. University)

Jalandhar - Kapurthala Highway, Kapurthala -144603

CORRIGENDUM

Following corrigendum is hereby issued in the Advertisement No. **Advt.No.2025/02/03** dated **23.02.25:-**

Name of Post (s)	Stream / Subject	Post
Technical Assistant	Mechanical Engineering	01-BC

Eligibility conditions, syllabus for written test and General Instruction / Term & Condition will be remained same as mentioned in above advertisement. You may apply at <https://jobs.ptu.ac.in>. **Last date of submission of online application is 06.07.25.**

Note: Those candidates who have already applied in the above category do not need to apply again.

Advt.No.2025/02/03-1

REGISTRAR



I.K. Gujral Punjab Technical University, Jalandhar

Jalandhar-Kapurthala Road, Kapurthala-144603

Advertisement No. 2025/02/03-1

Applications are invited from the eligible candidates for the following posts in the pay scales indicated as under:-

1.	Name of the Post & Pay Scales	Technical Assistant, Group-B, Level-11 / Rs.10,300-34,800 (GP 3800) Unrevised,	
2.	No. of Post	01	
3.	Code	TA001	
4.	Eligibility Criteria / Qualification		
	Graduate with minimum 50% marks in relevant subject / field* or its equivalent from a recognized Institution by State / Centre Govt. OR 3 years diploma in relevant subject / field* from recognized Institution.		
	*Relevant subject / field of essential qualification is as under:-		
	Mechanical Engineering	1-BC	B.Tech / B.E (Mechanical Engineering/ production Engineering) from any recognized University or Institute approved by MHRD/AICTE/UGC.
Note:- Candidate must have passed Punjabi as one of the subject at Matric level.			
Abbreviations:- BC-Backward Class			

General Instruction /Terms & Condition.

1. The candidates should read carefully the eligibility, experience criteria etc. laid down in the advertisement before applying for these posts. If at any stage during the recruitment and selection process, it is found that candidates have furnished false or wrong information, their candidature will be rejected.
2. University will conduct a written test of 60 marks with multiple choice questions with one mark for each question in the relevant subject/discipline. The written test will be of 90 minutes. There will be no negative marking. The candidate is to select one specific answer and write/mark it on the answer sheet (OMR) with only dark black ball pen as per the instructions contained in the Question Paper Booklet / OMR Sheet. In the written test, qualifying marks will be 50% for all other categories and 45% for SC/ST category. On failing to get the qualifying marks (50% & 45% marks) in the written test of 60 marks, candidate will be declared disqualified and his/her candidature will not be considered for further process. Thereafter, University will conduct an interview of 40 marks. Number of candidates to be called for the interview for each stream / discipline will be decided by the Hon'ble Vice-Chancellor of the University.
3. Application once submitted cannot be altered / resubmitted under any circumstances. Further, no request with respect to making changes in any data / particulars entered by the candidate in the online Application will be entertained, once the application submitted successfully.
4. Application fee is Rs.250/- (Including GST). Fee is to be deposited as per the directions given while filling online application form.
5. Reservation Policy shall be as per Punjab Government norms.
6. Must have passed Punjabi as one of the subject at Matric level.
7. Age relaxation will be given as per Punjab Govt. norms.
8. Candidates have to submit a reservation certificate issued by the Competent Authority.
9. Posts are transferable within IKGPTU Campuses (Main Campus, Amritsar, Mohali and Hoshiarpur) under the Jurisdiction of IKG Punjab Technical University.
10. Canvassing in any manner would entail disqualification of the candidate.
11. Original documents as mentioned in application forms (Academic etc.) will have to be shown when asked by the University.
12. Candidates called for test shall not be entitled for TA/DA.
13. The decision of IKGPTU in the matters of selection and appointment shall be final and no correspondence in this regard will be entertained.
14. If any candidates apply in such category which is not reserved for him/her in the advertisement, the application of such candidates will stand cancelled and fee shall not be refunded by the University.
15. Incomplete application, applications of ineligible candidates, applications without supporting documents (Academic etc.) and fee etc. shall be rejected without any intimation.
16. Last date to submit Online Application is 06.07.25 upto 5.00 PM.

17. No correspondence whatsoever will be entertained from candidates regarding eligibility / conduct / result of selection process and reasons for not being called for written test.
18. Eligibility/qualification as mentioned in the eligibility criteria will be considered as per the relevant documents submitted by the candidates with online application form.
19. For any query please email at recruitment@ptu.ac.in or contact at 01822-662509.
20. All the communications with candidate will be on the email provided in the online application form, therefore, candidate should keep their email id provided in the application form active. University will not be responsible for non-receipt / delay in receipt of any communication due to deactivation of email id given or due to change in address etc.
21. Further detail regarding amendment/corrigendum will be uploaded on University's official website www.ptu.ac.in. Candidates are required to visit official website regularly.
22. In service candidates must submit "**No Objection Certificate**" (NOC) and "**Vigilance Clearance Certificate**" (VCC) and last pay drawn certificate along with online submission of application form. In the absence of NOC & VCC, candidate will not be considered for written test.
23. Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement can be in courts / tribunals/ forums at Kapurthala only.
24. In case of any dispute, decision of the Vice-Chancellor, IKGPTU shall be final.
25. University Reserves the right not to fill the advertised post(s). The number of post(s) may be increased / decreased.
26. Probation period and pay scale during the probation period will be applicable as per IKGPTU norms.
27. The appointment of the candidate(s) will be governed by the University norms.
28. Request for postponement of any of the above activity or for change of venue, date and shift will not be entertained under any circumstances.

I.K. Gujral Punjab Technical University, Jalandhar

Mechanical Engineering

Syllabus for the written test of Technical Assistant

APPLIED MECHANICS: Concept of engineering mechanics, Laws of forces, Moment: Centre of Gravity, Simple Machines.

MECHANICAL ENGINEERING DRAWING: Limits and fits, Intersection of following solids, Pipe Joints. Electrical Circuit Diagram, Instructional strategy.

CRYSTALLOGRAPHY: Fundamentals, Cast Iron: Different types of Cast Iron, manufacture and their usage, Steels, Non Famous Materials, Theory of Heat Treatment, Engineering Plastics, Advanced Materials, Miscellaneous Materials.

HYDRAULICS AND PNEUMATICS: Introduction to Pressure and its Measurement, Flow of Fluids, Hydraulic System, Water Turbines and Pumps, Introduction to Oil Power Hydraulics and Pneumatics, Components of Hydraulic Systems, Components of Pneumatic Systems.

THERMODYNAMICS: Fundamental Concepts, Laws of perfect Gases, Thermodynamics Processes on Gases, Laws of Thermodynamics, Air Standard Cycles, Air Compressors, Introduction to Heat Transfer, IC Engines, Fuel Supply and Ignition System in Petrol Engine, Fuel System of Diesel Engine, Cooling and Lubrication, Testing of IC Engines, Steam Turbines and Steam Condensers, Gas Turbines and jet Propulsion.

STRENGTH OF MATERIALS: Concept of load, stresses and strain, Resilience: Moment of Inertia; Bending Moment and Shearing Force, Bending stresses, Columns, Torsion, Springs.

WORKSHOP TECHNOLOGYI: Cutting Tools and Cutting Materials Lathe Drilling, Boring, Shaping, Planning and Slotting, Broaching, Jigs and Fixtures. Cutting Fluids and Lubricants.

MECHANICAL ENGINEERING DRAWING: Introduction to drawing office equipment through a visit to modern drawing office of an industry. I.C. Engine Parts. Boiler Parts, Cams, Gears.

PRODUCTION MANAGEMENT: Functions (Elements) of PPC, Plant Location, Layout and Material Handling, Inventory, Repair and Maintenance, Value Engineering, Cost Estimation and Control.

REFRIGRATION AND AIR CONDITIONING: Fundamentals of Refrigeration, Vapour Compression System, Refrigerants, Air Refrigeration, System Vapour Absorption System, Refrigeration Equipment, Air conditioning.

WORKSHOP TECHNOLOGY: Milling, Grinding, Gear Manufacturing and Finishing processes, Modern Machining processes, Metallic Coating processes, Metal Finishing Processes.

THEROY OF MACHINES: Simple Mechanisms, Friction, Power Transmission, Flywheel, Governor, Balancing, Vibrations.

COMPUTER AIDED DRAFTING: Concept of AutoCAD, Detail and assembly drawing of the following using AUTOCAD, Isometric Drawing by CAD using Auto CAD.

METROLOGY AND INSTRUMENTATION: Metrology, Linear and Angular Measurement, Measurement of Surface Finish, Measurement of screw threads and Gauges, Instrumentation, Quality Control.

AUTOMOBILE ENGINEERING: Automobile, Power System, Transmission System, Steering System, Braking System, Suspension System, Battery, Dynamo and Alternator, Exhaust Emission.

MACHINE DESIGN: Design, Design terminology, Engineering materials and their mechanical properties. Design Failure, Design of Shaft, Design of Key, Design of Joints, Permanent Joint, Design of Flange Coupling, Design of Screwed Joints.

CNC MACHINES AND AUTOMATION: Introduction to NC, CNC, & DNC. Construction and Tooling, Part Programming, System Devices, Problems in CNC Machines, Automation and NC system.