

सी.एस.आई.आर.-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान  
CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY  
पालमपुर-176 061 (हिमाचल प्रदेश) / PALAMPUR (H.P.)-176 061

सं०: आई.एच.बी.टी.2-7 / 412 / 2020-भर्ती

दिनांक / Date : 17.03.2025

सूचना / NOTICE

**Subject :** Trade Test and written competitive examination (Paper-I, Paper-II and Paper-III) for the post of Technical Assistant in the area of Biotechnology (01-post reserved for OBC), Post Code-TA- 2013 advertised vide Advt. No.02/2020-Reg.

In continuation of Screening Result for the following posts which was displayed on CSIR-IHBT, website on 01.09.2023, the Trade Test followed by written competitive examination (Paper-I, Paper-II and Paper-III) for selection of suitable candidate for the following post will be conducted at this Institute as per following schedule :

Sr. No.	Post Code No.	Name of the Post(s)	Date of Trade Test followed by written Competitive examination (Paper-I, Paper-II & Paper-III)	Day & Time
1.	TA-2013	Technical Assistant in the area of Biotechnology (01-post reserved for OBC)	08.04.2025	Tuesday, 8:00 A.M.

**Venue :** CSIR-Institute of Himalayan Bioresource Technology, Palampur, Distt.: Kangra (H.P.)-176 061

- Note: 1. The candidates who qualify the trade test will be allowed to appear in the written competitive examination (Paper-I, Paper-II & Paper-III). Paper-II & Paper-III will be evaluated only for those candidates who secure the minimum threshold marks to be determined by the Selection Committee in the Paper-I. The final merit list will be prepared only on the basis of the marks obtained by the candidates in Paper-II & Paper-III.
2. The description of the mode of examination for the aforementioned post is attached at Annexure -I & syllabus for Paper-III is attached at Annexure -II.
3. The Call letters have already been issued to all the candidates (Annexure-III) who have been found eligible to be called for Trade Test followed by written competitive examination by registered post.
4. In case any candidate did not receive his/her call letter by **28-03-2025**, he/she may contact the undersigned over the Telephone No. 01894-233339, Ext. 323 or on e-mail ID: [sorecruitment@ihbt.res.in](mailto:sorecruitment@ihbt.res.in).

रंजीत कुमार गुप्ता

(रंजीत कुमार गुप्ता)

अनुभाग अधिकारी / Section Officer (R&A)

टेलीफोन / Telefax: 01894-230428

ई.मेल / E-mail ID : [sorecruitment@ihbt.res.in](mailto:sorecruitment@ihbt.res.in)

प्रतिलिपि / Copy to :

1. The Head, PPME, for placement the Notice of Trade Test/written Competitive examination Notice on the CSIR-IHBT, website-for general information of all concerned.

**Mode of Examination for Technical Posts in CSIR****Group III (Technical Assistant) [Erstwhile Group III(1) & III(2)]**

For these posts, there will be three papers. The second and third paper will be evaluated only for those candidates who secure the minimum threshold marks (to be determined by the Selection Committee) in the first paper.

Mode of Examination	OMR Based or Computer Based Objective Type Multiple Choice Examination.
Medium of Questions	The questions will be set both in English and Hindi except the questions on English Language.
Standard of exam	Diploma / Graduation Level (based on the advertised qualification of the post).
Total No. of Questions	200
Total Time Allotted	3 hours

**Paper-I (Time Allotted – 1 hour)**

Subject	No. of questions	Maximum Marks	Negative Marks
Mental Ability Test*	50	100 (two marks for every correct answer)	There will be no negative marks in this paper.


\*Mental Ability Test will be so devised so as to include General Intelligence, Quantitative Aptitude, Reasoning, Problem Solving, Situational Judgment, etc.

**Paper-II (Time Allotted – 30 minutes)**

Subject	No. of questions	Maximum Marks	Negative Marks
General Awareness	25	75 (three marks for every correct answer)	One negative mark for every wrong answer
English Language	25	75 (three marks for every correct answer)	One negative mark for every wrong answer

**Paper-III (Time Allotted – 90 minutes)**

Subject	No. of questions	Maximum Marks	Negative Marks
Concerned Subject	100	300 (three marks for every correct answer)	One negative mark for every wrong answer

  
MANOJ THOMAS  
Sr. Dy. Secretary

9 APR 2018

## Syllabus for Paper-III (Concerned subject – Biotechnology)

1. **Biochemistry & Metabolism:** Introduction to Biochemistry, Lipids: Structure and functions - Classification, Carbohydrates Metabolism, Bioenergetics and thermodynamics.
2. **Cell Biology:** Cell, Introduction and classification of organisms by cell structure, Membrane Vacuolar system, Lysosomes: Vacuoles and microbodies, Nucleus: Structure and function, chromosomes and their structure, Extracellular Matrix: Composition, Cell Division & cell cycle and its regulation
3. **Genetics:** Introduction: Historical developments in the field of genetics, non-allelic interactions, Chromosome and gene mutations, Genetic linkage, Extra chromosomal inheritance.
4. **General Microbiology:** Functional morphology of the microbial cell, Microbial nutrition, Microbial growth, Physical and chemical control of microorganisms.
5. **Biophysical Chemistry:** Structure of proteins, DNA, RNA and enzymes.
6. **Molecular Biology:** DNA structure and replication, DNA damage, repair and homologous recombination, Transcription and RNA processing, Regulation of gene expression and translation.
7. **Recombinant DNA Technology:** Molecular tools and applications - restriction enzymes, ligases, polymerases, alkaline phosphatase, Restriction and modification system, restriction mapping, Random and site-directed mutagenesis, Genetic engineering in plants, Genome editing.
8. **Bioprocess Technology:** Introduction to bioprocess technology -Techniques and basic principle components, Introduction to oxygen requirement in bioprocess, Introduction to downstream processing.
9. **Bio-Analytical Tools:** Microscopy, Spectroscopy, Chromatography, DNA and Protein Electrophoresis, Polymerase Chain reaction, Molecular Techniques.
10. **Genomics & Proteomics:** Introduction to Genomics, DNA sequencing methods, Managing and Distributing Genome Data, Introduction to protein structure, Chemical properties of proteins, Introduction to Proteomics, Analysis of Proteomes.

List of candidates to be called for Trade Test and written competitive examination (Paper-I, Paper-II and Paper-III) for the post of Technical Assistant in the area of Biotechnology (01-post reserved for OBC), advertised vide Advt. No.02/2020 at CSIR-IHBT, Palampur (H.P).

Sr. No.	Roll No.	Name of the candidates
1.	2013001	Mr. Hemant Kumar Sharma S/O Sh. Ved Prakash Sharma
2.	2013002	Mr. Sumit Jangra S/O Sh. Rameshwar Jangra
3.	2013003	Ms. Ashrita D/O Sh. Jawahar Lal Mahato
4.	2013004	Mr. Mangesh Kumar Mankar S/O Sh. Bhimrao Mankar,
5.	2013005	Mr. Karmveer Yadav S/O Sh. Rohitas Yadav
6.	2013006	Ms. Kowsalya P D/O Sh. Paramasivam AP
7.	2013007	Mr. Rohit Maurya S/O Sh. Pawan Kumar Maurya
8.	2013008	Mr. Pardeep Kumar S/O Sh. Samunder Singh
9.	2013009	Ms. Priyanka Prasad D/O Sh. Mukhtar Prasad
10.	2013010	Ms. Alka Rani D/O Sh. Sandeep Kumar
11.	2013011	Mr. Vivek Kumar Sharma S/O Sh. Shiv Lal,
12.	2013012	Mr. Shshank Verma S/O Sh. Arjun Singh
13.	2013013	Ms. Kavita Mehra D/O Sh. Vinod Kumar,
14.	2013014	Ms. Sora S D/O Sh. Salim S,
15.	2013015	Mr. Vishal Kondal S/O Sh. Kishori Lal,