

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 Plant Science (01-post reserved for OBC), Post Code- TA-2016 advertised vide Advt. No.02/2020-Reg.

In continuation of Screening Result for the following post 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-2016	Technical Assistant in the area of Plant Science (01-post reserved for OBC)	09.04.2025	Wednesday, 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 Tests 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

  
M. L. THOMAS  
Secy. (Personnel)

9 APR 2018

**Syllabus for Paper-III (Concerned subject – Plant Science)**

- 1 Biodiversity:** Microbes, Algae, Fungi and introduction to Archegoniate, Bryophytes, pteridophytes, Gymnosperms communities, Ecosystem
- 2. Plant Ecology and Taxonomy:** Introduction to plant taxonomy, Identification, Taxonomic evidence from palynology, cytology, phytochemistry and molecular data, Taxonomic hierarchy, Botanical nomenclature, Classification, Biometrics, numerical taxonomy and cladistics
- 3. Plant Anatomy and Embryology:** Meristematic and permanent tissues, Organs, Secondary Growth, Adaptive and protective systems, Structural organization of flower, Pollination and fertilization, Embryo and endosperm, Apomixis and polyembryony
- 4. Plant Physiology and Metabolism** Plant-water relations, Mineral nutrition, Translocation in phloem, Photosynthesis, Respiration, Enzymes, Nitrogen metabolism, Plant growth regulators, Plant response to light and temperature
- 5. Cell and Molecular Biology**  
Techniques in Biology (Principles of microscopy, Light Microscopy etc.), Cell as a unit of Life, Cell Organelles (Mitochondria, Chloroplast, ER, Golgi body & Lysosomes, Peroxisomes and Glyoxisomes, Nucleus), Cell Membrane and Cell Wall Cell Cycle, Genetic Material (DNA, DNA replication (Prokaryotes and Eukaryotes), Transcription (Prokaryotes and Eukaryotes), Regulation of gene expression
- 6. Genetics Plant Biotechnology And Plant Breeding**  
Heredity (Brief History, laws of inheritance etc.), Sex-determination and Sex-Linked Inheritance Linkage and Crossing over, Mutations and Chromosomal Aberrations, Introduction to Biotechnology, Plant tissue culture, Recombinant DNA Techniques, Plant Breeding, Methods of crop improvement, Quantitative inheritance, Inbreeding depression and heterosis, Crop improvement and breeding
- 7. Analytical Techniques In Plant Sciences**  
Imaging and related techniques (principles of microscopy, light microscopy, fluorescence Cell fractionation, Radioisotopes, microscopy etc.) Spectrophotometry, Chromatography, Characterization of proteins and nucleic acids
- 8. Bioinformatics**  
Introduction to Bioinformatics, Databases in Bioinformatics, Biological Sequence Databases, Sequence Alignments, Molecular Phylogeny, Applications of Bioinformatics

List of candidates 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 Plant Science (01-post reserved for OBC), advertised vide Advt. No.02/2020 at CSIR-IHBT, Palampur (H.P):

Sr. No.	Roll No.	Name & Father Name of the candidate's
1.	2016001	Mr. Ravindra Kumar S/O Sh. Ram Kishan
2.	2016002	Ms. Dilsha MV D/O Sh. Mohan Das M V
3.	2016003	Mr. Deepika Devi D/O Sh. Sukh Dev
4.	2016004	Mr. Ranjith Layola MR S/O Sh. Rajan M
5.	2016005	Mr. Amit Kumar S/O Sh. Shashi Dhar Thakur
6.	2016006	Mr. Ram Mohan S/O Sh. Ram Surat
7.	2016007	Ms. Deeksha Choudhary D/O Sh. Ganesh
8.	2016008	Ms. Prathima P, D/O Late Sh. Purushotham
9.	2016009	Mr. Pravin Kumar A, S/O Sh. Arumugam D
10.	2016010	Mr. Kartik Armugam Goundar, S/O Sh. Armugam Goundar
11.	2016011	Ms. Ujala, D/O Sh. Onkar Swarup
12.	2016012	Ms. Aparna Balakrishnan, D/O Sh. Balakrishnan PS
13.	2016013	Mr. Rahul Rathore, S/O Sh. Nandkishore Rathore
14.	2016014	Mr. Sarangthem Dinamani Singh, S/O Sh. Sarangthem Deben Singh
15.	2016015	Mr. Shiv Shankar Yadav, S/O Sh. Ramlal Yadav
16.	2016016	Mr. Siddharam Math, S/O Sh. Kartikswami Math
17.	2016017	Ms. Priti D/O Sh. Narinder Kumar
18.	2016018	Mr. Pardeep Kumar S/O Sh. Samunder Singh
19.	2016019	Ms. Savita Choudhary D/O Sh. Durga Singh
20.	2016020	Ms. KM Pooja D/O Sh. Bharat Singh
21.	2016021	Ms. Sora S D/O Sh. Salim S,
22.	2016022	Mr. Abhishek Verma S/O Sh. Suresh Kumar
23.	2016023	Ms. Nilofer Ali D/O Sh. Riyasat Ali