भारतीय सूचना प्रौद्योगिकी संस्थान भागलपुर
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY BHAGALPUR
(An Institute of National Importance, established by Ministry of Education, Govt. of India))
Sabour, Bhagalpur-813210, Bihar, India

Ref No: IIITBH/REG/2026-27/ 930 **Date:** 03/11/2026

Syllabus and Instructions for Skill Test

With reference to Advt. No. IIITBH/ADVT/NATS/2026/16, dated 21-08-2026, for Engagement of Apprentices at IIIT Bhagalpur, the instructions for skill test are as follows:

1. The skill test for shortlisted candidates will be conducted on **23rd November 2026 (Monday)** at the Academic Block, Indian Institute of Information Technology (IIIT) Bhagalpur.
2. All shortlisted candidates are required to report to the Institute by **09:30 AM** positively on 23rd November 2026. Candidates reporting late may not be permitted to appear for the skill test.
3. The document verification will be conducted from 09:30 AM to 10:30 AM.
4. All shortlisted candidates must bring the original degree certificates, mark sheets, and other relevant documents for verification of the documents uploaded during the application process. Candidates are also required to bring one set of self-attested photocopies of all the above-mentioned documents for submission to the Institute.
5. The skill test will be of one-hour duration. Candidates are advised to make the necessary arrangements to ensure their timely arrival at the Institute.
6. The department/section-wise syllabus for skill test for the Engagement of Apprentices at IIIT Bhagalpur is as follows:

Department/Section	Skill Test Syllabus
Computer Science and Engg.	*i. Basic concepts of computers, hardware and software, CPU, memory, storage devices, input and output devices, operating systems, files and folders, and basic computer troubleshooting. Basic DOS and Unix/Linux commands.* *ii. Variables, data types, operators, input/output, conditional statements, loops, arrays, pointers, strings, functions, structures, file handling basic problem solving, and simple programs using C/C++/Python. Fundamentals data structure, DBMS, OS, Database and SQL..* *iii. Basic networking concepts, LAN and WAN, network devices such as hub, switch and router, IP address basics, Wi-Fi, Internet and Web fundamentals, web browsers, email, and basic network troubleshooting.* *iv. Knowledge of computer hardware and software troubleshooting. Trouble shooting of all equipment of computer laboratories.*
Mathematics & Computing	
Electronics and Communication Engg.	*i. Practical knowledge in the Electronics and Communication Engineering area related to Basic Electronics, Analog and Digital Electronics,*

	Microprocessor, DSP, VLSI, Embedded Systems, IoT, Computer Networking, Software installation etc, and assembling of electronics models /projects. *ii. Analog oscilloscope, Digital Oscilloscope, Function Generator, DC Power Supply, AC Power Supply, DMM, Rheostat, Variac, Voltmeter, Ammeter, Power meter, Power Factor meter, Frequency meter, Insulation tester etc. and Computer related knowledge.* *iii. Use of bread board, Resistor colour coding, Diode Circuit, Rectifier, Precision Rectifier, Thyristor rectifier, DC power supply Design, Filters, RC circuits, LC circuits, RC and RL time constant measurement, OP-amp circuit (inverting and non-inverting), Transistor Biasing Circuits, Transistor CE-amplifier circuits, Oscillator circuits, Times LM 555, Circuit with basic digital gates, LM 74xx series chips, Adder, Counter, Flip flop etc..*
Mechatronics & Automation Engg.	*i. Practical knowledge in Handling, operation and maintenance of equipment(s) related to Mechatronics Engineering Laboratory/Mechanical Workshop.* *ii. Domain practical knowledge about different labs such as Strength of Material Lab, Machining Lab, Electrical Machines Lab, Sensor & IoT Lab, Robotics Lab, Basic Electronics Lab, etc.*
Computer Centre	*i. Knowledge of Internet, e-mail, Data Sharing, Printer Sharing.* *ii. Knowledge of Installing, Configuring Windows Server, DNS, ADS, DHCP, Networking fundamentals.* *iii. Basic networking concepts, LAN and WAN, network devices such as hub, switch and router, IP address basics, Wi-Fi, Internet and Web fundamentals, web browsers, email, and basic network troubleshooting.* *iv. Knowledge of computer hardware and software troubleshooting.*
Administration	*i. Computer proficiency test and knowledge of MS-Word, Excel, Power-Point, and other office tools.*
Store & Purchase	*i. Computer proficiency test and knowledge of MS-Word, Excel, Power-Point, Tally, and other office tools.*
Finance & Accounts	*i. Computer proficiency test and knowledge of MS-Word, Excel, Power-Point, Tally, PFMS, and other office tools.* *ii. Basic accounting statements. Basic knowledge of receipts and payments, cash book, ledger, and bank reconciliation. Basic understanding of GST, TDS, and applicable financial rules. Calculation of totals, deductions, percentages, and taxes using MS Excel.*
Library	*i. Computer proficiency test and knowledge of MS-Word, Excel, Power-Point, Library Software like KoHA, and other office tools.* *ii. Basic knowledge of library classification, cataloguing, and book accessioning. Preparation and maintenance*

	of book accession, issue, and return records. Data entry of book details, including title, author, publisher, ISBN, and accession number. Basic knowledge of library management software and book inventory management. Searching, sorting, and maintaining library records using a computer or spreadsheet..

7. The use of electronic gadgets, including mobile phones, smartwatches, and other electronic devices, is strictly prohibited during the examination. Candidates are responsible for the safe custody of their electronic gadgets. The Institute shall not be responsible for any loss or damage to such items.
8. The final merit list for the posts will be prepared based on the candidates' performance in the skill test.
9. Candidates are advised to visit the official website of IIIT Bhagalpur regularly for further updates and information.

Sd/-
Registrar