



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

F. No. 3-23/2022-Rectt.

Date: 29th June 2023

सूचना /NOTICE

Sub.: Provisionally shortlisted candidates for Written Test , Skill Test and Interview for the post of System Administrator

Ref: Advertisement No. Rectt./01/ Non-Teaching/ 2022 dated. 04 May 2022

This is to notify that the **Written Test , Skill Test and Interview** of the provisionally shortlisted candidates at **Annexure-II** for the post of **System Administrator (UR-1)** will be held as per the following schedule & list:

A. Written Test , Skill Test and Interview Schedule and Syllabus		
1	Date of Written Test and Skill Test	13 July 2023 (Thursday)
2	Reporting Time	08:00 A.M.
3	Date of Interview	14 July 2023 (Friday)
4	Reporting Time	08.00 A.M.
5	Venue	Indian Institute of Technology Bhubaneswar, Argul, Khordha, PIN - 752050, Odisha Ph. 0674-7134811/4815
6	Syllabus and other details of Tests	Annexure -I
B. Details of candidates shortlisted / Not shortlisted /hardcopy not received		
1	List of Provisionally shortlisted candidates	Annexure -II
2 (a)	List of candidates not shortlisted based on eligibility criteria	Annexure-III (A)
(b)	List of candidates not shortlisted whose hardcopy of applications were not received within due date i.e. 13 June 2022	Annexure-III (B)

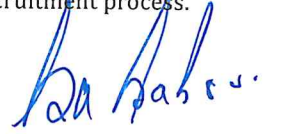
The candidates are also requested to note the followings:

- 1) The screening of applications for the post of **System Administrator** at Pay Level-10 has been done only for those candidates whose hardcopies were received at the Institute by the last date i.e. 13 June 2022 as per advertisement.
- 2) The shortlisted candidates listed at **Annexure – II** are required to appear for the Written Test and Skill test based on this notification along with copy of the call letter received through email. No individual hard copy of the call letter shall be sent. A list of shortlisted candidates for appearing interview, who are qualified in the skill test, will be made based on the written test score.
- 3) The list of candidates not fulfilling the eligibility requirements are given in Annexure – III(A) along with the reasons thereof.
- 4) The candidates listed at **Annexure-III (A) & III (B)** whose applications are not shortlisted may submit their representation only on Google Form link “https://docs.google.com/forms/d/1ut81OUnp53KT2sbC-yOuS62_eIARXs5dI_3eww2Ocak” by 5.00 P.M. of **3 July 2023**. No further communication shall be entertained, beyond the said date & time.
- 5) The candidates are also advised to visit the Institute website (<http://www.iitbbs.ac.in>) regularly for any further updates.

P.T.O

Other Instructions for the candidates for appearing for above tests/Interview:

1. Candidates are required to produce a Proof of Identity issued by Govt. **(in original)** such as Aadhar Card/Passport/Driving License/PAN Card/Voter Card etc. without which the candidates will not be permitted to appear for the Written Test and Skill/Trade Test. No photocopies of the above documents shall be entertained.
2. Candidates are required to bring all the **original** Educational Certificates, Mark-sheets, testimonials, experience certificates, category certificates (SC/ST/OBC/PWD/EWS), if applicable, and any other relevant documents as mentioned in the Application Form. During actual verification from original documents, if any discrepancy is noticed, candidate(s) will not be allowed to appear for the Written Test and Skill/Trade Test.
3. Candidates are requested to bring a '**No Objection Certificate**' along with **Vigilance Clearance Certificate** from the employer, in case he/she is employed in a Government, Semi-Government, Autonomous Organization including Public Sector Undertakings etc. and whose application has not been forwarded through proper channel by the employer for this post. In the absence of **No Objection Certificate** and or any other certificate as mentioned above, the candidature shall not be considered.
4. Candidates must report at **8:00 A.M.** sharp in the scheduled date and venue, failing which the candidates will not be allowed to appear in the Written Test and Interview.
5. Electronic gadgets such as Bluetooth, mobile phone, laptop, iPad, Smart watch etc. are not allowed in the examination hall. However, candidates are required to bring writing materials such as ball point Pen (blue/black), HB Pencil etc., and non-programming scientific calculator.
6. No TA/DA shall be paid to the candidates for attending the Written Test and Interview. The candidates are advised to make their own arrangement for lodging and boarding to appear the recruitment process.



Deputy Registrar

 उप कुलसचिव (स्थापना)
Deputy Registrar (Estt.)
भा.प्रौ.सं. भुवनेश्वर / IIT Bhubaneswar
अरगुल, जटनी/Argul, Jatni-752050, ओडिसा/Odisha

SYLLABUS-WRITTEN TEST

Name of the Post -: System Administrator

Time for Part A and B = 1hr 20 mins

Part-A: Domain Knowledge Test

Objective Type: (40 Multiple Choice Questions)

Syllabus: Familiarity with Linux servers and Windows servers. Scripting and the Shell: Shell basics - Command editing, Pipes and redirection, Variables and quoting, Common filter commands, bash scripting, Regular expressions, Python scripting, Scripting best practices. Bootstrapping the system: Booting PCs, GRUB: The GRand Unified Boot loader, Booting to single user mode, Working with startup scripts, init and its run levels, system, Rebooting and shutting down. Access Control and Users: Traditional UNIX access control, Modern access control -Role-based access control, SELinux: security-enhanced Linux, PAM: Pluggable Authentication Modules, Kerberos -third-party cryptographic authentication, Access control lists, The File system: Pathnames, File system mounting and unmounting, File types, File attributes -The permission bits, The setuid and setgid bits, The sticky bit. Syslog and log files: Syslog: the system event logger, Syslog architecture, Configuring Syslog, Syslog debugging, Alternatives to syslog, Linux kernel and boot-time logging, log rotate -manage log files, Condensing log files to useful information, Logging policies. Backups and restore: Introduction and requirements for backups, Backup devices and media, Incremental backups, dump and restore, archiving programs -tar and dd, Commercial backup products. Networking and Routing: TCP/IP and its relationship to the Internet, Networking road map, Packet addressing, IP addresses, Routing, ARP, DHCP, Basic network configuration, Linux networking. Miscellaneous: Software installations on Cloud, Amazon EWS, Website maintenance and development, Maintenance of Educational ERP, Email servers, Manage licensed software, Deploy and Manage Local Area N, Cyberoam configuration, Internet service providers, Basic knowledge of maintaining High Perform. Backup and Disaster Recovery, DNS, SMTP, HTTP configuration and management, system security. The network file system, email servers, security, hardware devices, interoperability and daemons.

Part- B: General Awareness Test

Objective Type: (15 Multiple Choice Questions)

Syllabus:

- Current Affairs.
- General Knowledge
- Arithmetic/ Numerical Aptitudes
- Logical Reasoning

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SYLLABUS - SKILL TEST

Part- C : Skill Test (Hardware Test)

Time : 2hrs

Syllabus/ Broad Topics:

- OS Installations, VM Installation, Configurations, Printing, etc. Effectively use shell scripts e.g., Bash, Perl, Python, to monitor and manage IT infrastructure. Bootstrapping and shutdown, and the related scripts involved during the processes. Able to configure & debug the startup scripts. Access control and user management. Effectively manage (e.g., monitor, start, stop, schedule, etc.) the processes. Mount/unmount/ configure/ access-control/ etc. the file system. Network configuration and management. To generate/configure/debug Syslog and log files. To generate/configure/debug backups and restore. Data backup. Server Configurations.

N.B.:

1. The candidates who will be shortlisted in the Written Test on 13 July 2023 would be permitted to appear for Skill/Trade Test on the same day.
2. The skill test is qualifying in nature.
3. A list of shortlisted candidates for appearing interview, who are qualified in the skill test, will be made based on the written test score. The list of candidates shortlisted for Interview (to be held on 14 July 2023) will be posted on the Institute website on the day of the written test.
4. The final merit list will be based on the both written test & Interview marks.
5. The result will be published in the Institute website.

उप कुलसचिव (स्थापना)
Deputy Registrar (Estt.)
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अरगुल, जटनी/Arkul, Jatni-752050, ओडिसा/Odisha

(संकेत) अंकित
IIT Bhubaneswar
Bhubaneswar, Odisha
752050

List of Provisionally Shortlisted Candidates for Written Test / Skill test for the post of
" System Administrator"

SL NO	APPLICATION NUMBER	SL NO	APPLICATION NUMBER
1	NT-040522-1558-SA-0016	41	NT-040522-1565-SA-0109
2	NT-040522-1268-SA-0019	42	NT-040522-6218-SA-0114
3	NT-040522-1678-SA-0022	43	NT-040522-7101-SA-0115
4	NT-040522-1668-SA-0030	44	NT-040522-7028-SA-0116
5	NT-040522-2431-SA-0031	45	NT-040522-5524-SA-0118
6	NT-040522-185-SA-0034	46	NT-040522-4117-SA-0119
7	NT-040522-2383-SA-0038	47	NT-040522-3618-SA-0121
8	NT-040522-1441-SA-0042	48	NT-040522-7421-SA-0126
9	NT-040522-2358-SA-0043	49	NT-040522-7897-SA-0132
10	NT-040522-2471-SA-0044	50	NT-040522-3862-SA-0136
11	NT-040522-2681-SA-0045	51	NT-040522-7166-SA-0137
12	NT-040522-1795-SA-0046	52	NT-040522-7923-SA-0138
13	NT-040522-3280-SA-0051	53	NT-040522-1646-SA-0139
14	NT-040522-1470-SA-0052	54	NT-040522-3326-SA-0140
15	NT-040522-191-SA-0053	55	NT-040522-6419-SA-0144
16	NT-040522-1951-SA-0054	56	NT-040522-8032-SA-0147
17	NT-040522-2071-SA-0057	57	NT-040522-6896-SA-0149
18	NT-040522-3571-SA-0059	58	NT-040522-8118-SA-0151
19	NT-040522-3963-SA-0063	59	NT-040522-7917-SA-0153
20	NT-040522-4345-SA-0067	60	NT-040522-7924-SA-0154
21	NT-040522-1763-SA-0068	61	NT-040522-8152-SA-0156
22	NT-040522-4676-SA-0072	62	NT-040522-6306-SA-0159
23	NT-040522-4750-SA-0073	63	NT-040522-7927-SA-0162
24	NT-040522-4798-SA-0076	64	NT-040522-8048-SA-0163
25	NT-040522-3014-SA-0078		
26	NT-040522-3696-SA-0081		
27	NT-040522-4532-SA-0082		
28	NT-040522-1865-SA-0083		
29	NT-040522-5589-SA-0084		
30	NT-040522-71-SA-0089		
31	NT-040522-3602-SA-0090		
32	NT-040522-350-SA-0092		
33	NT-040522-5569-SA-0095		
34	NT-040522-6220-SA-0096		
35	NT-040522-4203-SA-0100		
36	NT-040522-5491-SA-0101		
37	NT-040522-5637-SA-0103		
38	NT-040522-5644-SA-0104		
39	NT-040522-4241-SA-0107		
40	NT-040522-6647-SA-0108		

h/b

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अरगुल, जटनी/Argul, Jatni-752050, ओडिशा/Odisha

List of not shortlisted candidates with reason of rejection for post of
" System Administrator"

Sl no	Application no	Reason for Rejection
1	NT-040522-257-SA-0004	Non- submission of required documents
2	NT-040522-292-SA-0013	No Essential educational qualification
3	NT-040522-1533-SA-0015	No Essential educational qualification
4	NT-040522-741-SA-0024	No Essential educational qualification
5	NT-040522-1986-SA-0026	No adequate requiried experience
6	NT-040522-490-SA-0036	Non- submission of required documents
7	NT-040522-2926-SA-0040	No Essential educational qualification, over age
8	NT-040522-2337-SA-0049	No application fee
9	NT-040522-3597-SA-0062	No Essential educational qualification
10	NT-040522-3098-SA-0065	No experience
11	NT-040522-4613-SA-0071	No Essential educational qualification
12	NT-040522-4639-SA-0076	No application fee
13	NT-040522-3013-SA-0077	Non- submission of required documents
14	NT-040522-3069-SA-0079	No Essential educational qualification
15	NT-040522-5125-SA-0080	No adequate required experience
16	NT-040522-5756-SA-0094	No Essential educational qualification
17	NT-040522-7265-SA-0124	No Essential educational qualification
18	NT-040522-7878-SA-0131	No Essential educational qualification

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Annexure-III (B)

List of candidates whose hardcopy of applications were not received within due date i.e. 13/06/2022

S.N.	Application No.	S.N.	Application No.
1	NT-040522-6-SA-0001	43	NT-040522-5840-SA-0127
2	NT-040522-489-SA-0005	44	NT-040522-7109-SA-0128
3	NT-040522-536-SA-0006	45	NT-040522-7873-SA-0129
4	NT-040522-787-SA-0007	46	NT-040522-6948-SA-0130
5	NT-040522-836-SA-0010	47	NT-040522-7898-SA-0133
6	NT-040522-1302-SA-0011	48	NT-040522-7912-SA-0134
7	NT-040522-1205-SA-0012	49	NT-040522-7911-SA-0135
8	NT-040522-1219-SA-0014	50	NT-040522-7172-SA-0141
9	NT-040522-1570-SA-0017	51	NT-040522-1220-SA-0142
10	NT-040522-883-SA-0018	52	NT-040522-8014-SA-0145
11	NT-040522-1593-SA-0020	53	NT-040522-6958-SA-0146
12	NT-040522-1681-SA-0021	54	NT-040522-7004-SA-0148
13	NT-040522-2008-SA-0025	55	NT-040522-8105-SA-0150
14	NT-040522-1274-SA-0029	56	NT-040522-8022-SA-0152
15	NT-040522-2547-SA-0033	57	NT-040522-8155-SA-0155
16	NT-040522-2674-SA-0035	58	NT-040522-2902-SA-0157
17	NT-040522-2727-SA-0037	59	NT-040522-2232-SA-0158
18	NT-040522-2944-SA-0039	60	NT-040522-8206-SA-0160
19	NT-040522-219-SA-0041	61	NT-040522-8217-SA-0161
20	NT-040522-3210-SA-0050	62	NT-040522-7854-SA-0164
21	NT-040522-2810-SA-0055	63	NT-040522-8319-SA-0165
22	NT-040522-3619-SA-0058	64	NT-040522-8333-SA-0166
23	NT-040522-3890-SA-0061	65	NT-040522-2996-SA-0167
24	NT-040522-4082-SA-0064		
25	NT-040522-4316-SA-0066		
26	NT-040522-3184-SA-0069		
27	NT-040522-4745-SA-0074		
28	NT-040522-1703-SA-0085		
29	NT-040522-5713-SA-0087		
30	NT-040522-5729-SA-0088		
31	NT-040522-5935-SA-0091		
32	NT-040522-5978-SA-0093		
33	NT-040522-2480-SA-0098		
34	NT-040522-3000-SA-0099		
35	NT-040522-6586-SA-0110		
36	NT-040522-6785-SA-0111		
37	NT-040522-6839-SA-0112		
38	NT-040522-6916-SA-0113		
39	NT-040522-7390-SA-0120		
40	NT-040522-7574-SA-0122		
41	NT-040522-7580-SA-0123		
42	NT-040522-4829-SA-0125		

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