

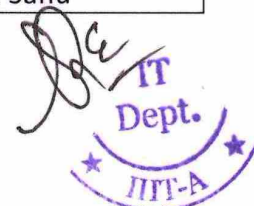
Screened in Applicants for Online Programming/Written Test (On a provisional basis)

Full time PhD Program, 2020

Department of Information Technology

Indian Institute of Information Technology Allahabad, Prayagraj

S.No.	Application ID	Name
1	952001841003	Mamta Kumari
2	952002641002	Biswadip Bandyopadhyay
3	952003641003	Praveen Kumar
4	952003741004	Saurabh Kumar Srivastava
5	952005741006	Aditi Palit
6	952007641007	Shaik Akbar
7	952008641008	Nitin Gagan
8	952010741002	Sajan George
9	952011641002	Junaid Alam
10	952015641006	Avijit Paul
11	952021641003	Abhinav Kumar
12	952022741005	Shubhangi Srivastava
13	952027841002	Bhuvnesh Mahajan
14	952028641001	Sanghamitra Samanta
15	952028841003	Raja Sekhar Kommaraju
16	952029841004	Meenakshi Srivastava
17	952031641004	Kushall Pal Singh
18	952034741008	Sachin Sahu
19	952035841001	Shashikant Sharma
20	952035941002	Shubham Choudhary
21	952036841002	Shashi Kumar Sharma
22	952037841003	Rahul Jaiswal
23	952038741003	Sudhir Kumar
24	952038841004	Nishat Zafar
25	952039641003	Nithul Das H
26	952042641006	Aman Gupta
27	952043841009	Geetanjali Tyagi
28	952045841002	Tabassum Gull Jan
29	952046641001	Nitu Kumari
30	952046841003	Anupam Jain
31	952047941005	Shivam Kumar
32	952048641003	Qawsar Gulzar Mir
33	952048841005	Niloy Biswas
34	952049641004	Som Banerjee
35	952053841001	Himanshu Srivastava
36	952056641002	Preeti Lata Sahu



37	952058841006	Akhilesh Kumar Singh
38	952062641008	Kamanksha Prasad Dubey
39	952063641009	Arun Manna
40	952064741002	Ashish Dixit
41	952064941004	Rinchon Sangkhro
42	952066841005	Bhosale Yogesh Harishchandra
43	952068641005	Ravi Kiran Akella
44	952071641008	Hemraj Singh
45	952073641001	Sunny Bhartiya
46	952074841004	Uttkrishti Singh
47	952074941005	Yashvi Chandola
48	952077641005	Shashi Shekhar Kumar
49	952082841003	Abhishek Upadhyay
50	952082941004	Rajeev Kumar Singh
51	952085641004	Ajay Kumar Das
52	952088641007	Mohit Dayal
53	952090741001	Tripti Tripathi
54	952091841003	Utkarsh Dubey
55	952093641003	Vaibhav Kotiyal
56	952095641005	Monika Pipalde
57	952096641006	Ankita Chatterjee
58	952096841008	Vivek Sharma
59	952098641008	Chakrapani Bhardwaj
60	952098841001	Chandan Kanakalata Kar
61	952099541008	Harshit Gupta
62	952099641009	Anu Raj
63	952099741001	Anjali Yadav

Note:

- ❖ **Date for Written Test / Programming Test (on line) on 15th October, 2020, 11:00 AM onwards. Test link shall be sent 15 minutes before the test. The candidates will require a stable internet connection, a working camera, pen and rough paper. The institute will not be responsible if a candidate cannot take the test due to a lack of stable internet. You will not be allowed to access websites, books, notes, etc. during the test. You will not be allowed to collaborate with friends, family members, etc. during the test. If during the test or during the interview, at any point, it is discovered by the committee that portion of answers were taken by any unauthorized sources or were solved in collaboration with anyone, the application shall be rejected outright.**



❖ Syllabus for Programming and Theory Test.

- ✦ Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices. Groups. Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations, generating functions.
 - ✦ Computer Organization and Architecture: Machine instructions and addressing modes. ALU, data-path and control unit. Instruction pipelining. Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode).
 - ✦ Programming and Data Structures : Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.
 - ✦ Algorithms: Searching, sorting,
 - ✦ Theory of Computation: Regular expressions and finite automata. Context-free grammars and push-down automata. Regular and context-free languages, pumping lemma. Turing machines and undecidability.
 - ✦ Compiler Design: Lexical analysis, parsing, syntax-directed translation. Runtime environments. Intermediate code generation.
 - ✦ Operating System: Processes, threads, inter-process communication, concurrency and synchronization. Deadlock. CPU scheduling. Memory management and virtual memory. File systems.
 - ✦ Databases: ER-model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control.
 - ✦ Computer Networks: Concept of layering. LAN technologies (Ethernet). Flow and error control techniques, switching. IPv4/IPv6, routers and routing algorithms (distance vector, link state). TCP/UDP and sockets, congestion control. Application layer protocols (DNS, SMTP, POP, FTP, HTTP). Basics of Wi-Fi. Network security: authentication, basics of public key and private key cryptography, digital signatures and certificates, firewalls.
- ❖ Date of result for qualifying candidates in on line test: 17.10.20.
- ❖ Date of Interview only for qualifying candidates in on line test: 28.10.20
- ❖ Regarding any query, Please feel free to call 9935127770 (Shailendra Singh).

Shc
O/o HOD IT 07/10/20
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