



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR
AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA
AMHARA, BIHTA, PATNA-801106

Date:-14-07-2023

Notice

All B.Tech 2nd students are hereby informed that a course on “**Aptitude Development**” is going to be organized from 17th June,2023 to 22nd July, 2023.

The schedule is as follows:

Sl No.	Date	Venue
1	17 th June,2023	Auditorium, Main Building
2	24 th June,2023	Auditorium, Main Building
3	01 st July,2023	Auditorium, Main Building
4	08 th July,2023	Auditorium, Main Building
5	15 th July,2023	Auditorium, Main Building
6	22 nd July,2023	Auditorium, Main Building

J. Dalei

Dean Academic, NSIT

Dean (Academics)

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna.



Copy to:

1. Director, NSIT
2. Notice Board
3. Dean Adm., NSIT
4. All HODs

[Signature]
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Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

Aptitude Development Course

1. Number System

(3 hours)

Simplification. Speed Math, Squaring and Cubing Techniques, Multiplication Tricks, Divisibility Rules, HCF of numbers, LCM of numbers, applications of HCF/ LCM of numbers, Properties of HCF/LCM, Problems on HCF/LCM, Divisibility Rules, Divisibility by Numbers of the form $[10n-1]$ or $[10n+1]$, Factors/Divisors of a Given Composite Number. Number of Divisors. Number of Even & Odd Divisors, Sum of Divisors, Product of Divisors, Number of ways of expressing a given number as a product of two factors, Number of ways of expressing a given number as a product of two Co-Primes, Number of sets of factors which are Co-Prime to each other, Problems solved on Easy, Medium and Difficult Questions

2. Percentages

(2 hours)

Concept Explanation. Quick Calculation of Percentages, Conversion of Fraction to Percentage Table, Successive Percentage, Concept of 'By' & 'To', Percentage Change, Percentage Point Change. Product Constancy, Increased Value & Increase in Value, Percentage Changes in Numerator & Denominator, Successive Percentage, Problems solved on Easy. Medium and Difficult Questions

3. Ratio and Proportions

(2 hours)

Concept Explanation, Duplicate Ratio, Triplicate Ratio, Direct Proportion, Indirect Proportion, Double rule of three or compound proportion, Ratio in investment or partnership, Problems solved on Easy. Medium and Difficult Questions

4. Profit and Loss

(2 hours)

Concept Explanation, Profit. Loss, Cost Price, Selling Price, Marked Price. Formula. Examples, Tricks, Problems solved on Easy. Medium and Difficult Questions

5. Average, Mixtures and Alligation

(2 hours)

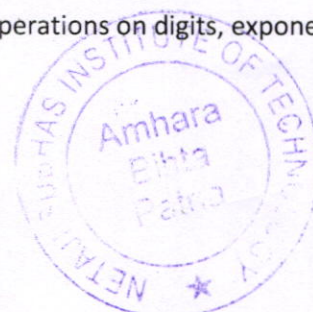
Concept Explanation, Average Formula to calculate the Mean, to determine the Median, to determine the Mode, Average formula for An AP Series, Mixtures & Alligations, Rule of weighted averages, Rule of alligation, Alligation cross. Alligation line, Successive replacement. Problems solved on Easy, Medium and Difficult Questions

6. Number Series

(2 hours)

What are series, Types of Series: Number Series Missing numbers, incomplete series odd-even series, primes, Fibonacci series, arithmetic progression. geometric progression, harmonic progression, squares and cubes and operations on them, operations on digits, exponential series, increasing multiplication. hybrid series


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7. Alphabetical Series**(1 hour)**

Missing alphabets, incomplete letter series series of words, series of letters. arrangement of words/letters, letters marked with corresponding numbers sequence, positions of letters, ranking of the word in dictionary: Mixed Series - Missing numbers and words/letters, complete the series

8. Coding Decoding**(2 hour)**

Coding based on order: Letter to Letter Mapping, Letter to number mapping, Letter to digit mapping, Re-ordering sequences, Word sequencing, Match the word to code. Symbol Coding, Miscellaneous

9. Blood Relation**(2 hours)**

Relations defined. Generation Verticals, Family Tree, Single Person Blood Relations, Mixed/Chain Blood Relations. Symbol based Blood Relation Questions, Important Words

10. Direction Sense**(2 hours)**

Four Main Directions, Four Cardinal Directions, Distance and displacement, Starting and ending points, Referential directions, Directions of shadows, Actual and conditional directions.

11. Clocks**(2 hours)**

Angles between the hands. Minute and hour spaces, Time based on coincidence and supplementary angles, Number of times an angle is formed. Duration of rings, Gain or loss of time, Actual time v/s given time. Angle covered for given condition.



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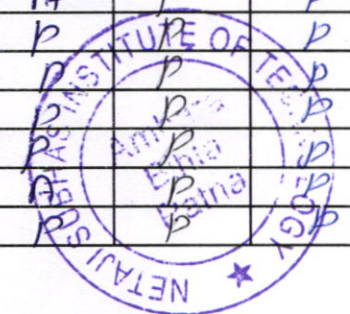
Session 2022-23

Add on Course on "Aptitude Development Course"

Attendance Sheet

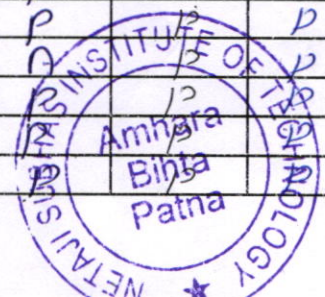
Sr.No	Name of Student	17-Jun	24-Jun	01-Jul	08-Jul	15-Jul	22-Jul
1	PRIYA KUMARI	P	P	P	P	P	P
2	BIMAL KUMAR	P	P	P	P	P	P
3	RAJ VERMA	P	P	A	P	A	A
4	MOHAMMAD AMAN	P	A	P	A	P	P
5	SYMA PARWEEN	P	P	P	P	P	P
6	ADITYA KUMAR MISHRA	P	P	P	P	P	P
7	TALHA ATHAR	P	P	A	P	A	P
8	SHALINI KUMARI	P	P	P	P	P	P
9	SWEETY KUMARI	P	P	P	P	P	P
10	SHIVAM CHOUBEY	P	P	P	P	P	P
11	NIKHIL RAJ	A	P	P	P	P	P
12	MEENU BHARTI	P	P	P	P	P	P
13	NAVYA KASHYAP	P	P	P	P	A	P
14	AASHUTOSH KUMAR	P	P	P	P	P	P
15	HARSHITA KUMARI	P	P	P	P	P	P
16	SUSHIL RAJ	A	P	P	A	P	A
17	NITISH KUMAR	P	A	P	P	P	P
18	RAVI RAUSHAN	P	P	P	P	P	P
19	PARUL RAJ	P	P	P	P	P	P
20	AYASHA ABBAS	P	P	P	P	P	P
21	BITTU KUMAR	P	P	P	P	P	P
22	JANVI RAJ	P	P	P	P	P	P
23	SHIVAM RAI	P	P	P	P	A	P
24	PRATIK PANDIT	P	P	P	P	A	P
25	DHANANJAY KUMAR SINGH	P	P	P	P	P	A
26	SANI MAHTO	P	P	P	P	P	P
27	HEEMANT KUMAR RAY	P	P	P	P	P	P
28	AMAN KUMAR	P	P	P	P	P	P
29	SAHIL KHAN	A	P	A	P	P	P
30	MD. MOHSIN ALAM	P	P	P	A	P	P
31	SHIVAM KUMAR	P	P	P	P	P	P
32	RAUSHAN PANDEY	P	A	P	P	P	P
33	PRAKASH KUMAR	P	P	P	P	P	P
34	ASHISH KUMAR SINHA	P	P	P	P	P	P
35	PRIYANSHU RAJ	P	P	P	P	P	P
36	MOHAMMAD ASHAD MANSOOR	P	P	P	A	P	P
37	SANTU KUMAR	P	P	P	P	A	P
38	HRITIK KUMAR	P	P	P	P	P	A
39	ARMAN KHAN	P	P	P	A	P	P
40	SWABHIMAN RAJ	P	P	P	P	P	P
41	KAIFY AZAM	P	P	P	A	P	P
42	SHIVAM KUMAR	P	P	P	P	P	P
43	UDITI PRAKASH	P	P	P	P	P	P
44	SHIVANI KUMARI	P	P	P	P	P	P
45	GURIYA KUMARI	P	P	P	P	P	P
46	PRINCE KUMAR	P	P	P	P	P	P
47	PREETI SINGH	P	P	P	P	P	P

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48	DURGESH NANDAN	A	P	P	P	P	P
49	SHWETA KUMARI	P	P	P	P	P	P
50	RISHI CHAUHAN	P	P	P	P	P	A
51	RISHIKESH KUMAR	P	P	P	P	P	P
52	AMAN THAKUR	P	P	P	A	P	P
53	KRISHNA KUMAR YADAV	P	P	A	A	P	P
54	ADITYA RAJ	P	P	P	P	P	P
55	AMAN KUMAR	P	P	P	P	P	P
56	AMISHA	P	P	P	P	P	P
57	VICKY KUMAR	A	P	P	P	A	P
58	MD. SHAHNAWAJ ALAM	A	P	P	P	A	P
59	SHIVAM KUMAR	P	P	P	P	P	P
60	RISHU NANDAN	P	A	P	P	P	P
61	RICHA KUMARI	P	P	P	P	P	P
62	KARMJEET SINGH	P	P	A	P	P	P
63	AJEET KUMAR	P	P	P	P	P	A
64	ABHISHEK KUMAR	P	P	P	P	P	P
65	SATYAM KUMAR	P	P	P	P	P	P
66	BALMUKUND KUMAR	P	P	P	P	P	P
67	SWETA	P	P	P	P	P	P
68	JYOTI NAINA	P	P	P	A	P	P
69	ANIKET KUMAR	P	A	P	P	P	P
70	abhishek raj	P	P	P	P	P	P
71	GAURAV KUMAR	A	P	P	P	P	P
72	GANGA KUMAR	A	P	A	P	P	P
73	AMIR HAMJA	P	P	P	A	A	P
74	RAKESH KUMAR RAUSHAN	P	P	P	P	P	P
75	ASHISH KUMAR SHARMA	P	P	P	P	P	P
76	ASHUTOSH KUMAR JHA	P	P	P	P	P	P
77	LAW KUMAR	P	A	P	P	P	P
78	ABHISHEK KUMAR	P	P	P	P	P	P
79	GULSHAN KUMAR	P	P	P	P	P	P
80	KUNDAN RAI	P	P	P	P	P	P
81	RAJNI KUMARI	P	P	P	P	A	A
82	ABHINAV RAJ	P	P	P	A	P	P
83	SHIVESH KUMAR	P	P	P	P	P	P
84	SHUBHAM KUMAR	P	P	P	P	A	P
85	ABHISHEK KUMAR	P	P	P	P	P	P
86	AKASH KUMAR RAJAK	P	P	P	P	P	P
87	ADITYA MISHRA	P	P	P	P	P	P
88	GAURAV RAJ	P	P	P	P	P	P
89	HEMANT MITTAL	P	P	P	P	P	P
90	SUMIT KUMAR	P	P	P	P	P	P
91	ABHISHEK	P	P	P	A	P	P
92	UTKARSH KUMAR	P	A	P	P	P	A
93	AMAN KUMAR	P	P	P	P	P	P
94	GYAN PRAKASH	P	P	P	P	P	P
95	PRATIK PRAKASH	P	P	P	P	P	P
96	ASHWINI KUMAR	A	P	P	P	P	P
97	ROHAN ANAND	A	P	P	P	P	P
98	AMIT KUMAR	A	P	P	P	P	P
99	SUDHANSHU PAL	A	P	P	P	P	P
100	RAHUL KUMAR	A	P	P	P	P	P

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101	AMAN KHAN	A	P	P	P	A	P
102	ARBAZ KHAN	A	P	P	P	A	P
103	HIMANSHU OJHA	P	P	A	P	P	P
104	NILESH KUMAR SINGH	P	P	A	P	P	P
105	MANIKANT KUMAR PASWAN	P	P	P	P	P	P
106	AKHLAK AHMAD	P	P	P	P	A	P
107	MUKUND KUMAR	P	P	P	P	P	A
108	SIDDHARTH KUMAR	P	A	P	P	P	P
109	SWATI KUMARI	P	P	P	P	P	P
110	ANKIT RAJ	P	P	P	A	P	P
111	ABHISHEK KUMAR SURYAVANSHI	P	P	A	P	P	A
112	RISHU RAJ	P	P	P	P	P	P
113	SHAHID HUSSAIN	P	P	P	P	P	P
114	SHUBHAM MISHRA	P	P	P	P	P	P
115	GIRISH KARMU VISHWAKARMA	P	P	P	P	P	P
116	RIYA KUMARI	P	P	P	P	P	P
117	KUNDAN KUMAR SINGH	P	P	P	P	P	P
118	PRINCE KUMAR	P	A	P	P	P	P
119	PIYUSH KUMAR	P	P	A	P	P	P
120	TANYA KUMARI	P	P	P	P	P	A
121	PUMMY BHARDWAJ	P	P	P	P	P	P
122	ARYA SINGH	P	P	P	P	P	P
123	YASH RAJ	P	P	P	P	A	P
124	AKSHAT KUMAR	A	P	P	P	P	P
125	VISHAL KUMAR	P	A	P	P	P	P
126	SATYAM KUMAR	P	P	A	P	P	P
127	DURGA KUMARI	P	P	P	P	P	A
128	NITAM KUMARI	P	P	P	P	P	P
129	ANSHIKA RAJ	P	P	P	A	P	P
130	AJIT KUMAR	P	P	P	P	P	P
131	PRAVEEN KUMAR	P	P	A	P	P	P
132	SHIVAM KUMAR	P	P	P	P	A	P




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