

## TNEB - AE - ONLINE TEST SERIES SCHEDULE- 2020

### COMPUTER SCIENCE ENGINEERING

Test No	Date	Syllabus
1	4.5.2020	<b><u>Applied Probability And Operations Research:</u></b> Random Processes, Probability Distributions
2	5.5.2020	Queuing Models and Simulation
3	6.5.2020	Testing of Hypothesis
4	7.5.2020	Design of Experiments
5	8.5.2020	<b>Full subject Test</b>
6	10.5.2020	<b><u>Discrete Mathematical Structures:</u></b> First Order Logic, Relations
7	11.5.2020	Finite Automata and Regular Languages
8	12.5.2020	Pushdown Automata and CFL, TM
9	13.5.2020	Graph Theory
10	14.5.2020	<b>Full subject Test</b>
11	16.5.2020	<b><u>Compiler Design:</u></b> Lexical Analysis, Syntax Analysis
12	17.5.2020	Semantic Analysis, Intermediate Code Generation
13	18.5.2020	Optimisation – Code Generation – Implementation
14	19.5.2020	Principles of Programming Languages – Programming Paradigms.
15	20.5.2020	<b>Full subject Test</b>
16	22.5.2020	<b><u>Operating Systems And System Software:</u></b> Process Management
17	23.5.2020	Storage Management, I/O Systems
18	24.5.2020	Design and Implementation of LINUX OS
19	25.5.2020	Assemblers, Loaders, Linkers, Macro Processors.
20	26.5.2020	<b>Full subject Test</b>
21	28.5.2020	<b><u>Distributed Systems:</u></b> Communication and Distributed Environment
22	29.5.2020	Distributed Operating Systems
23	30.5.2020	Distributed Shared Memory, Protocols
24	31.5.2020	Fault Tolerance and Distributed File Systems, Distributed Object Based Systems.
25	1.6.2020	<b>Full subject Test</b>
26	3.6.2020	<b><u>Programming And Data Structures:</u></b> Problem Solving Techniques
27	4.6.2020	Trees
28	5.6.2020	Hashing and Priority Queues, Heap Search

29	6.6.2020	Sorting, Graph
30	7.6.2020	<b>Full subject Test</b>
31	9.6.2020	<b>Algorithm Analysis And Design Techniques:</b> Asymptotic Notations, Divide and Conquer
32	10.6.2020	Greedy Algorithms
33	11.6.2020	Dynamic Programming
34	12.6.2020	Advanced Algorithms, NP Completeness and Approximation Algorithms.
35	13.6.2020	<b>Full subject Test</b>
36	15.6.2020	<b><u>Combination Test – 1</u></b> <ol style="list-style-type: none"> <li>1. Applied Probability And Operations Research</li> <li>2. Discrete Mathematical Structures</li> <li>3. Compiler Design</li> <li>4. Operating Systems And System Software</li> <li>5. Distributed Systems</li> <li>6. Programming And Data Structures</li> <li>7. Algorithm Analysis And Design Techniques</li> </ol>
37	17.6.2020	<b><u>Microprocessors And Microcontrollers - Computer Architecture And Organisation:</u></b> Digital Fundamentals, Combinational Circuits
38	18.6.2020	Synchronous and Asynchronous Sequential Circuits, Instruction Set Architecture(RISC,CISC,ALU 34 Design)
39	19.6.2020	Instruction Level Parallelism, Processing Unit and Pipelining
40	20.6.2020	Memory Organisation.
41	21.6.2020	<b>Full subject Test</b>
42	23.6.2020	<b><u>Computer Networks:</u></b> Data Communication Systems
43	24.6.2020	Physical Layer, Data Link Layer
44	25.6.2020	Network Layer, Transport Layer
45	26.6.2020	Application Layer
46	27.6.2020	<b>Full subject Test</b>
47	29.6.2020	<b><u>Database Management Systems:</u></b> Relational Model, Database Design
48	30.6.2020	Implementation Techniques, Distributed Databases
49	1.7.2020	Object Oriented Databases, Object Relational Databases
50	2.7.2020	Data Mining and Data Warehousing

51	3.7.2020	<b>Full subject Test</b>
52	5.7.2020	<b><u>Software Engineering Methodologies:</u></b> Software Product and Processes - Software Requirements Management - Requirement Engineering, Elicitation, Analysis
53	6.7.2020	Requirements Development and Validation, Requirements Testing - Object Oriented Analysis And Design – Modular Design, Architectural Design, User Interface Design, Real Time Software Design, System Design
54	7.7.2020	Data acquisition System - Software Testing And Quality Assurance - SQA Fundamentals, Quality Standards, Quality Metrics, Software Testing Principles, Defects, Test Case Design Strategies
55	8.7.2020	Software Quality and reusability, Software Project Management, Software Cost Estimation, Function Point Models, Software Configuration Management, Software Maintenance.
56	9.7.2020	<b>Full subject Test</b>
57	11.7.2020	<b><u>Artificial Intelligence:</u></b> Intelligent Agents
58	12.7.2020	Search Strategies
59	13.7.2020	Knowledge Representation
60	14.7.2020	Learning, Applications.
61	15.7.2020	<b>Full subject Test</b>
62	17.7.2020	<b><u>Mobile Computing:</u></b> Wireless Communication Fundamentals
63	18.7.2020	Telecommunication Systems
64	19.7.2020	Wireless Networks.
65	20.7.2020	<b>Full subject Test</b>
66	22.7.2020	<b><u>Security In Computing:</u></b> Program Security, Security in Operating Systems
67	23.7.2020	Database and Network Security, Scientific Computing
68	24.7.2020	Information Coding Techniques, Cryptography
69	25.7.2020	Network Security
70	26.7.2020	<b>Full subject Test</b>
71	28.7.2020	<b><u>Combination Test – 2</u></b> <ol style="list-style-type: none"> <li>1. Microprocessors And Microcontrollers - Computer Architecture and Organisation</li> <li>2. Computer Networks</li> </ol>

		<b>3. Database Management Systems</b> <b>4. Software Engineering Methodologies</b> <b>5. Artificial Intelligence</b> <b>6. Mobile Computing</b> <b>7. Security In Computing</b>
<b>72</b>	<b>**</b>	Full length Test - 1
<b>73</b>	<b>**</b>	Full length Test - 2
<b>74</b>	<b>**</b>	Full length Test - 3
<b>75</b>	<b>**</b>	Full length Test - 4
<b>76</b>	<b>**</b>	Full length Test - 5
<b>77</b>	<b>**</b>	Full length Test - 6
<b>78</b>	<b>**</b>	Full length Test - 7
<b>79</b>	<b>**</b>	Full length Test - 8
<b>80</b>	<b>**</b>	Full length Test - 9
<b>81</b>	<b>**</b>	Full length Test - 10

**\*\* Full length tests will be planned at the later phase considering the date of main exam.**



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