

RPSC College lecturer COMPUTER SCIENCE Syllabus 2022

Introduction:-

हमारे द्वारा Rajasthan Public Service Commission (RPSC) College lecturer भर्ती के बारे में विस्तार से जानकारी दी गई अगर आप राजस्थान College lecturer परीक्षा की तैयारी कर रहे हो तो पोस्ट आपके लिए अति महत्वपूर्ण है इस आर्टिकल में College lecturer के सिलेबस के बारे में जानकारी दी गई है साथ ही आप अपने सब्जेक्ट के अनुसार नीचे दी गई लिंक के द्वारा PDF डाउनलोड कर सकते है वे उम्मीदवार जिन्होंने इसका ऑनलाइन आवेदन किया है उनके लिए निवनतम एग्जाम पैटर्न दिया गया है जो आपके लिए तैयारी करने में काम आएगा।

NAME OF SELECTION BOARD	Rajasthan Public Service Commission
POSTS NAME	RPSC College lecturer
OFFICIAL WEBSITE	Rpsc.rajasthan.gov.in/
Category	Latest Syllabus
EXAM DATE	Coming soon

RPSC College lecturer Selection Process

- Written Examination
- Interview
- Merit List

Exam Pattern:-

Serial Number	Subject	Marks	Questions
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1	Subject Paper-I	75	150
2	Subject Paper-II	75	150
3	GENERAL STUDIES OF RAJASTHAN	50	100

कुछ महत्वपूर्ण जानकारी

Subject Paper

Note : Pattern of Question Paper

1. Objective type paper
2. Maximum Marks : 75
3. Number of Questions : 150
4. Duration of Paper : Three Hours
5. All questions carry equal marks .
6. There will be Negative Marking .

General Studies of Rajasthan

Note :- Pattern of Question Paper

1. Objective type paper
2. Maximum Marks : 50
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All questions carry equal marks.
6. There will be Negative Marking.

RPSC College lecturer COMPUTER SCIENCE Syllabus 2022 Topic Wise

PAPER-I

1. Computer Organization and Architecture:

Number representation and computer arithmetic (fixed and floating point). Logic functions, Minimization, Design and synthesis of

combinational and sequential circuits; Machine instructions and addressing modes, ALU and data-path, CPU and control design, Memory interface, I/O interface (Interrupt and DMA mode), Instruction pipelining, Cache and main memory, Secondary storage.

2. Computer Programming:

Programming in C: Functions, Recursion, Parameter passing, Scope, Binding; Abstract data types, Arrays, Stacks, Queues, Linked Lists, Trees, Binary search trees, Binary heaps, File handling. Object-oriented programming: Class, Object, inheritance, polymorphism and overriding, constructors & destructors, overloading, exception handling.

3. Software Engineering:

Software development Life Cycle and different models, Information gathering, requirement and feasibility analysis, data flow diagrams, process specifications, input/output design, process life cycle, planning and managing the project, design, coding, testing, implementation, maintenance.

4. Operating System

Main functions and different types of OS. Processes, Threads, Inter-process communication, Concurrency, Synchronization, Deadlock, CPU scheduling, Memory management and virtual memory, File systems. The Unix system: file systems, process Management, Bourne shell, shell variable, command line programming, filters and Unix commands, system calls.

5. Computer Networks:

LAN, MAN, WAN, Transmission Media: Guided and unguided, Multiplexing (TDM, FDM, SDM & WDM) and switching techniques, Routing algorithms, Network reference models: OSI Model, TCP/IP Model, TCP/UDP and Sockets, IPv4 / IPv6, DNS, Network Security: Symmetric & Asymmetric Cryptography, Message Digest, Block and Stream Ciphers, One time pad, IP Security, E-Mail Security: PGP, IDS, Firewall.

PAPER-II

1. Discrete Mathematical Structures:

Counting principles, linear recurrence, mathematical induction, relations and functions, predicate and propositional logic. Graph: Definition and properties, connected graph, cycles & circuits, Tree: rooted tree, spanning trees. Models of Computability: Regular Expressions and Finite Automata. Context free grammars and Push down Automata. Regular and Context free languages, pumping lemma. Turing Machines and undecidability.

2. Data Structures and Algorithms:

Analysis, Asymptotic notation, Notions of space and time complexity, Best, Worst and average case analysis; Design: Greedy approach, Dynamic programming, Divide-and conquer; Tree and graph traversals, Spanning tree algorithms, Shortest paths; Hashing, Sorting, Searching. Basic concepts of complexity classes P, NP, NP-hard, NP-complete.

3. Database Management System:

ER-model, Relational model (relational algebra, tuple calculus), Database design (integrity constraints, normalization-1NF, 2NF, 3NF, BCNF and 4NF), Structured Query languages (SQL), File structures (sequential files, indexing, B and B+ trees), Transactions and concurrency control.

4. System Software:

Assemblers: one pass & two pass assemblers design, Macros & Macro processors, loaders & linkers, Text editors & debuggers, Program generators, Compiler & Interpreter, Different phases of compilation process.

5. Emerging Trends and Technologies:

Concept of Parallel Computing (Parallel Virtual Machine and Message passing Interface) , Mobile Computing: Cellular system, Handoff, Location Management, Pervasive Computing, WLAN, E- Technologies: E-commerce framework and applications, Business models, electronic payment System: Digital Token, Smart Cards, Credit Cards, risks in e- payment systems. Data Warehousing and Data Mining.

RPSC College lecturer Syllabus 2022 Subjects Wise

General Studies of Rajasthan Paper Syllabus
Zoology Paper-1 & Paper-2 Syllabus
Sociology Paper-1 & Paper-2 Syllabus
Public Administration Paper-1 & Paper-2 Syllabus
Psychology Paper-1 & Paper-2 Syllabus
Political Science Paper-1 & Paper-2 Syllabus
Physics Paper-1 & Paper-2 Syllabus
Philosophy Paper-1 & Paper-2 Syllabus
Music (Vocal) Paper-1 & Paper-2 Syllabus
Music (Instrumental) Paper-1 & Paper-2 Syllabus
Mathematics Paper-1 & Paper-2 Syllabus

Library Science Paper-1 & Paper-2 Syllabus
Law Paper-1 & Paper-2 Syllabus
Accountancy And Business Statistics Paper-1 & Paper-2 Syllabus
Geology Paper-1 & Paper-2 Syllabus
Geography Paper-1 & Paper-2 Syllabus
Chemistry Paper-1 & Paper-2 Syllabus
Botany Paper-1 & Paper-2 Syllabus
Dyeing And printing Paper-1 & Paper-2 Syllabus
Economic Administration & Financial Management (E.A.F.M.) Paper-1 & Paper-2 Syllabus
English Paper-1 & Paper-2 Syllabus
Persian Paper-1 & Paper-2 Syllabus
History Paper-1 & Paper-2 Syllabus
Economics Paper-1 & Paper-2 Syllabus
Computer Science Paper-1 & Paper-2 Syllabus
Drawing & Painting Paper-1 & Paper-2 Syllabus
Hindi Paper-1 & Paper-2 Syllabus
Sanskrit Paper-1 & Paper-2 Syllabus
Sindhi Paper-1 & Paper-2 Syllabus

IMPORTANT LINKS
RPSC College lecturer Syllabus PDF
Official Website

इस नोटिफिकेशन से संबंधित कुछ महत्वपूर्ण प्रश्न:-

1. **RPSC College lecturer कितने अंको का होता है?**

उत्तर: General Studies of Rajasthan -50

Paper-1 & Paper-2 -150

2. **RPSC College lecturer पेपर में कितने प्रश्न आते हैं?**

उत्तर: General Studies of Rajasthan -100

Paper-1 & Paper-2 -300

3. *RPSC College lecturer पेपर में कितना समय मिलता है?*

उत्तर: General Studies of Rajasthan -2 hours

4. *RPSC College lecturer Syllabus in hindi. ?*

उत्तर: इस नोटिफिकेशन में आप देख सकते हो।

**शिक्षा जगत की लेटेस्ट अपडेट पाने के लिए हमारे टेलीग्राम चैनल को
सब्सक्राइब करें**



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