



CENTRAL UNIVERSITY OF RAJASTHAN

N.H-8, BANDARSINDRI, KISHANGARH – 305817

DISTRICT – AJMER (RAJASTHAN) INDIA

Syllabus for Written test and shortlisting criteria for the post of System Analyst

The written examination will comprise two papers. The criteria for written examination are as follows:

#	Subject/Syllabus	Maximum Marks	Duration
1.	Language proficiency in English, General Knowledge, Analytical Ability, Basic GoI Rules	20	1½ hours
2.	Subjects of Computer Science, Information Technology at Masters level*	40	
Total Marks		60	

NB:

1. *Language of the paper will be English only.*
2. *There will be MCQ Type Questions.*
3. *Each correct answer will carry one mark and for each wrong answer, 0.25 mark will be deducted.*



Step-1: On the basis of the marks in the written test, shortlisted candidates (in the ratio of 1:20) will be called for interview. University may impose a cut off for the purpose of shortlisting for interview.

Merit of the shortlisted candidates shall be calculated **as follows:** on the basis of the academic career (30%), experiences (10%), and performance in the written test (60%) as depicted below.

Qualifications/Experiences/ performance in written test	Weightage/ Marks (Max.)
10th Marks (10% of % of marks secured)	10
12th Marks (10% of % of marks secured)	10
Qualifying Degree (10% of % of marks secured)	10
Experiences as technical analyst or equivalent beyond the minimum experience required for the post (1 mark per year)	10
Written Test	60
Total	100

Step-2: Interview and selection of the candidates in order of merit.

Criteria	Weightage/ Marks (Max.)
80% of the total marks secured in the shortlisting process (out of 100) as mentioned in Step - I	80
Interview	20
Total	100

Schedule of Written Test and Interview

Date, Time and Venue of Written Test	Date, Time and Venue for document verification of shortlisted candidates	Date, Time and Venue for Interview of shortlisted candidates
19.01.2019 – 10.00 AM 4A5 Building Central University of Rajasthan	19.01.2019 – 04.00 pm Recruitment Cell, Admin. Building Central University of Rajasthan	20.01.2019 – 09.30 am Administrative Building Central University of Rajasthan

Recruitment Cell, CURAJ



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Syllabus for Computer Science, Information Technology

Operating Systems:

CPU Scheduling
Deadlocks
Memory Management
Security
Virtual Memory
Threads

Database:

Database Design – ER Model
Relational Model – Relational Algebra
Normalization, Integrity Constraints
SQL, Querying with SQL
PL/SQL
Transaction
Recovery
Concurrency Control

Software Engineering:

Software Development Life Cycle
Requirement Analysis
Software Metric
Software Project Management
Cost Benefit Analysis
Software Testing
Software Maintenance

Networks:

Computer Networking Basics
WWW and HTTP
Wired LAN, Ethernet
Wireless LAN, WiFi, VOIP, VLAN
Internet Protocols
Cryptography

Web Applications:

Web Server and Web Applications basics
HTML, DHTML, XML
Scripting, Java
Sevelets, Applets
Object Oriented Programming
Polymorphism

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