

RAJASTHAN PUBLIC SERVICE COMMISSION

SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF RESEARCH ASSISTANT EVALUATION DEPARTMENT

Part-A: General Knowledge (In Reference of Rajasthan)

1) History, Culture and Heritage of Rajasthan:

Historical Rajasthan- Important historical events and centres, Religion and Culture in Ancient Rajasthan, Political and Cultural achievements in Medieval Rajasthan. Political awakening: role of Newspapers & Political institutions. Tribal and Peasant movements, Praja Mandal movements during 20th century, Emergence of Modern Rajasthan: Agents of Social Awakening in Rajasthan. Famous Historical and Cultural places of Rajasthan, Temples, Forts, Palaces, Various schools of paintings, Handicrafts, Classical Music and Dance, Folk Music & Instruments, Folk Art, Dances & Drama, Folk Literature, Religious Communities, Saints and Sects in Rajasthan. Folk Deities of Rajasthan, Fairs and Festivals, Social customs and Traditions, Attires and Ornaments, Major Tourist Centres & Heritage Conservation.

2) Geography, Natural Resources and Socio-Economic Development of Rajasthan:

Major physiographic regions of Rajasthan, Natural Vegetation & Soil, Major Crops, Rivers and Lakes, Forest, Wild life and its Conservation, Major Irrigation Projects & Water Conservation Techniques, Major Minerals, Power Resources, Biodiversity, Environmental Conservation, Population-Growth, Density, Literacy, Sex-ratio and Major Tribes.

3) Political and Administrative System of Rajasthan:

Governor, Chief Minister and Council of Ministers, Legislative Assembly, High Court, District Administration, Local Self Government, Panchayati Raj Institutions.

4) Current Affairs of Rajasthan:

Major Current Events and Issues, Important Persons, Places and Institutions in News, Games and Sports related activities.

Part-B: Statistics & Planning

1) Statistics and Mathematics:

- Definition and importance, Sources of Primary and Secondary data: Primary data collection techniques, schedule, questionnaire, observation and interview, Evaluation and Monitoring, Methods and Techniques of Survey, Case study, P.R.A. (Participatory Rural Appraisal), Data Collection, Classification, Tabulation and Diagrammatic Presentation of data. Measures of Central Tendency, Dispersion, Moments, Skewness and Kurtosis.
- **Correlation and Regression:** Correlation and its coefficients, Linear Regression.
- **Testing of Hypothesis:** Concept of Hypothesis, Types of error in Testing. Critical Region and Level of Significance, Small and Large samples.
- **Design of Sample Survey:** Sampling Unit, sampling frame, sampling fraction, Sampling with and without replacement, Population Parameter and Sample estimator, Efficiency, Accuracy and Precision, Sampling and Non Sampling errors, Simple random sampling, Stratified random sampling. Systematic sampling, Cluster sampling, Multistage sampling.
- **Time Series Analysis:** Components, Measurements of Trend, Seasonal, Cyclical and Irregular variations.
- **Index Number:** Uses, types and limitations of index numbers, construction of index numbers, simple and weighted aggregate method, Simple and weighted average price-relatives, Chain base index numbers, Base shifting, Cost of Living index numbers.
- **Elementary Mathematics:** Decimal fraction, Percentage, Rates & ratio, Average, Simple and compound interest, Square roots.

2) Planning and Economics:

- **System and Evaluation organisation in India & Rajasthan:** NITI Aayog, Reserve Bank of India, Development Monitoring and Evaluation office (DMEO), Evaluation Department, Rajasthan.
- **Economic Concepts:** Law of Demand and Supply, Concept of elasticity, Demand forecasting, Price determination under different markets, National Income, Economic Growth and Planning, Inflation, Money, Banking and Financial Inclusion.
- **Economy of Rajasthan:** Macro overview of Economy, Major Agricultural, Industrial and Service Sector Issues, Growth, Development and Planning, Infrastructure & Resources, Major Development Projects, Major Welfare Schemes of State Government for SC/ST/Backward Classes/Minorities/Disabled Persons, Destitute, Women, Children, Old Age People, Farmers & Labourers.

3) Basics of Computer

MS Word, MS Excel and Power Point Presentation, Basic Knowledge of Internet, Cyber security, Artificial Intelligence, e-governance in Rajasthan.

Scheme of Examination

S. No.	Subject	No. of Questions	Total Marks	Examination Duration
Part-A	General Knowledge (In reference of Rajasthan)	50	100	2.30 Hours
Part-B	Statistics & Planning:			
	• Statistics and Mathematics	60	120	
	• Planning and Economics	30	60	
	• Computer	10	20	
	Total	150	300	

1. The competitive examination shall carry 300 marks (two marks for each question) and there will be 150 questions, each of Multiple Choice Type question.
2. There shall be one and only one paper for the exam. Duration of Paper will be maximum 2 Hours and 30 Minutes.
3. Negative marking shall be applicable in the evaluation of answers. For every wrong answer one-third of the marks prescribed for that particular question shall be deducted.
4. Minimum Passing Marks shall be 35% marks in Part-A, 35% marks in Part-B and 40% marks in aggregate. However, relaxation in minimum marks up to 5% will be applicable to SC/ST category candidates.

Explanation: - Wrong answer shall mean an incorrect answer or multiple answers.

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