

**RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**  
**SCHEME & SYLLABUS FOR THE POST**  
**OF ASSISTANT STATISTICAL OFFICER COMPETITIVE EXAM, 2018**  
**PLANNING DEPARTMENT (ECONOMICS & STATISTICS)**

**Syllabus of Examination**

**Part-A**

**General Knowledge**

- 1) **Geography, Natural Resources and Socio- Economic Development of Rajasthan :** Major physiographic divisions of Rajasthan, Vegetation and Soil, Natural Resources - Minerals, Forest, Water, Livestock, Wild Life and its Conservation, Environmental Conservation, major Irrigation Projects, Handicrafts, Development Programmes and Schemes of the State Government, Various Resources of power and Population in Rajasthan.
- 2) **History, Culture and Heritage of Rajasthan:** History of Rajasthan, Famous Historical & Cultural Places of Rajasthan, Folk Literature, Folk Art, Folk Drama, Lok Devian- Devata, Folk Music and Dance, Fairs & Festivals. Customs, Jewellery, Famous Forts. Temples and hawelies. Saints of Rajasthan, Paintings- various schools in Rajasthan. Major tourist centres and Heritage Conservation.
- 3) **Current Events and Issues of Rajasthan and India, major development in the field of Information Technology & Communication.**

**Part-B**

**Statistics, Economics and Mathematics**

- 1) Collection, Classification, Tabulation and Diagrammatic Presentation of data. Measures of Central Tendency, Dispersion, Moments, Skewness and Kurtosis.
- 2) **Correlation and Regression:** Correlation and its coefficients, Linear Regression.
- 3) **Testing of Hypothesis:** Concept of Hypothesis, Types of error in testing, Critical Region and level of significance, small and large samples
- 4) **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.
- 5) **Time Series Analysis:** Components, Measurements of Trend, Seasonal, Cyclical and irregular variations.

6) **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.

7) **Vital Statistics:** Collection of vital statistics- Measures of Mortality and Fertility rates, life tables, Population growth.

8) **System & Statistical Organization in India & Rajasthan :** System of National Accounting (SNA), Ministry of Statistics and Programme Implementation (MoS&PI), Central Statistical Office (CSO), National Sample Survey Organisation (NSSO), Registrar General of India (RGI), NITI AYOOG, Reserve Bank of India (RBI) and Directorate Economics & Statistics, Rajasthan (DES).

9) **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.

10) **Economy of Rajasthan:** Agriculture, Industry, Livestock, Infrastructure Development, Public Finance, State Income, Poverty, Unemployment and Human Development.

11) **Elementary Mathematics:** Decimal fraction, percentage, Rates & ratio, average, simple and compound interest, square roots.

12) **Basic of Computer:** MS Word, MS Excel and Power Point Presentation, Basic Knowledge of Internet.

#### Examination Scheme

S.No.	Subject	No. of Questions	Total Marks	Examination Duration
Part-A	General Knowledge	30	30	2 Hours
Part-B	Statistics, Economics and Mathematics	70	70	

1) According to syllabus there will be 100 Questions of Multiple choice (Objective Type) carrying equal marks.

2) There will be Negative Marking. 1/3 mark will be deducted for each wrong answer.

3) The minimum qualifying marks shall be 40% of total marks of the examination.

4) The Standard of the paper will be that of a Master's Degree Level.