

(7) क्रमचय और संचय, प्रारंभिक प्रायिकता सिद्धांत

योगात्मक और गुणात्मक प्रमेय, प्रायिकता एवं सशर्त प्रायिकता।

(11) भारतीय अर्थव्यवस्था के सांख्यिकीय मापांक

सामान्य जनसांख्यिकीय मापांक, श्रम सांख्यिकी, मुद्रा और बैंकिंग, राष्ट्रीय आय, औद्योगिक उत्पादन मापांक, मूल्य (प्राइस) सांख्यिकी, राष्ट्रीय प्रतिदर्श सर्वेक्षण की मूलभूत जानकारी

(12) भारतीय सांख्यिकीय प्रणाली

राष्ट्रीय सांख्यिकी कार्यालय (एन0एस0ओ0) और अर्थशास्त्र एवं सांख्यिकी विभाग, उत्तर प्रदेश सरकार की संरचना एवं कार्य।

भाग-2

(कम्प्यूटर एवं सूचना प्रौद्योगिकी की अवधारणाओं एवं इस क्षेत्र में समसामयिक प्रौद्योगिकी विकास एवं नवाचार का ज्ञान)

- कम्प्यूटर, सूचना तकनीकी, इन्टरनेट एवं वर्ल्ड वाइड वेब (WWW) का इतिहास, परिचय एवं अनुप्रयोग।
- निम्नलिखित बिन्दुओं सम्बन्धी सामान्य ज्ञान-
 - हार्डवेयर एवं साफ्टवेयर।
 - इनपुट एवं आउटपुट।
 - इन्टरनेट प्रोटोकॉल/आईपी0 एड्रेस।
 - आई0टी0 गैजेट एवं उनका अनुप्रयोग।
 - ई-मेल आई0डी0 को बनाना एवं ई-मेल का प्रयोग/संचालन।
 - प्रिंटर, टेबलेट एवं मोबाइल का संचालन।
 - वर्ड प्रोसेसिंग (MS-Word) एवं एक्सेल प्रोसेसिंग (MS-Excel) के महत्वपूर्ण तत्वा।
 - ऑपरेटिंग सिस्टम, सोशल नेटवर्किंग, ई-गवर्नेंस।
- डिजिटल वित्तीय उपकरण और अनुप्रयोग।
- भविष्य के कौशल और साइबर सुरक्षा।
- कम्प्यूटर और सूचना प्रौद्योगिकी के क्षेत्र में होने वाले तकनीकी विकास एवं नवाचार (आर्टिफिशियल इंटेलिजेन्स, बिग डेटा प्रोसेसिंग, डीप लर्निंग, मशीन लर्निंग, इन्टरनेट ऑफ थिंग्स) तथा इस क्षेत्र में भारत की उपलब्धियाँ आदि।

भाग-3

(उत्तर प्रदेश राज्य से सम्बन्धित सामान्य जानकारी)

उत्तर प्रदेश का इतिहास, संस्कृति, कला, वास्तुकला, त्योहार, लोक संगीत एवं लोक नृत्य, साहित्य, क्षेत्रीय भाषाएँ, विरासत, सामाजिक रीति-रिवाज और पर्यटन, भौगोलिक परिदृश्य एवं पर्यावरण, प्राकृतिक संसाधन, जलवायु, मिट्टी, वन, वन्यजीव, खान और खनिज, अर्थव्यवस्था, कृषि, उद्योग, व्यवसाय और रोजगार, राजव्यवस्था एवं प्रशासन, समसामयिक घटनाओं एवं विभिन्न क्षेत्रों में उत्तर प्रदेश राज्य की उपलब्धियाँ आदि।

Examination Plan and Syllabus of Main Examination (Written Examination) for selection to the vacant posts of direct recruitment of Assistant Statistical Officer/Assistant Research Officer (Statistics)

There will be one question paper in the written examination, which will contain 100 questions and the total time duration will be two hours. The questions of the examination will be objective and multiple-choice type. Each question will be of one mark. There is a provision of negative marking for each wrong answer, which will be 25 percent i.e. ¼ of the marks prescribed for that question.

Examination Plan

The parts of examination, subjects, number of questions, total marks and time period will be as per the details given below-

Part	Subject	Number of Questions	Total Marks	Time Period
Part-1	1) Statistics	10	10	Two Hours (120 Minutes)
	2) Collection and Presentation of Data	10	10	
	3) Measures of Central Tendency and Dispersion	10	10	
	4) Index Numbers, Rates & Ratios	05	05	
	5) Correlation and Regression	05	05	
	6) Fundamentals of Mathematics	05	05	
	7) Permutations & Combinations, Elementary Probability Theory	05	05	
	8) Statistical Measures of Indian Economy	10	10	
	9) Indian Statistical System	05	05	
Part-2	Knowledge of concepts of Computer and Information Technology and contemporary technological development and innovation in this field	15	15	
Part-3	General information related to the state of Uttar Pradesh	20	20	
Total		100	100	

SYLLABUS

Part-1

(Subject related Knowledge)

(1) Statistics

Definition, Scope, Functions, Limitations, Distrust & Misuse.

(2) Collection and Presentation of Data

Primary Data, Secondary Data, Elementary idea of Sampling Techniques, Classification, Tabulation & Frequency Distribution, Generation of One -way & Two-way Tables.

(3) Measures of Central Tendency and Dispersion

Arithmetic Mean, Geometric Mean, Harmonic Mean, Median & Mode, Range, Quartile Deviation, Mean Deviation, Standard Deviation and Coefficient of Variation. Measures of Skewness & Kurtosis.

(4) Index Numbers, Rates & Ratios

Meaning, Importance, Construction and their Calculation, Change of Base, Splicing, Deflating, Understanding of Radix, Rate and Ratios.

(5) Correlation and Regression

Linear & Rank Correlation, Simple Regression Analysis.

(6) Fundamentals of Mathematics

Elementary Set Theory, Number System, Elementary Algebra, Percentages & Logarithms, Straight lines and Circles, Various types of Growth.

(7) Permutations & Combinations, Elementary Probability Theory

Additive and Multiplicative Theorems, Probability and Conditional Probability.

(8) Statistical Measures of Indian Economy

Basic Demographic Measures, Labour Statistics, Money & Banking, National Income, Measures of Industrial production, Price Statistics and Basic understanding of NSS Surveys.

(9) Indian Statistical System

Structure & Functions of National Statistical Office (NSO) and Department of Economics & Statistics, Government of Uttar Pradesh.

Part-2

(Knowledge of Concepts of Computer and Information Technology and Contemporary Technological Development and Innovation in this field)

- History, Introduction and Application of Computer, Information Technology, Internet and World Wide Web (WWW).
- General Knowledge related to:
 - Hardware and Software.
 - Input and Output.
 - Internet Protocol/IP Address.
 - IT gadgets and their applications.
 - Creation of e-mail ID and use/operation of e-mail.
 - Operation of Printer, Tablet and Mobile.
 - Important elements of Word Processing (MS-Word) and Excel Processing (MS-Excel).
 - Operating System, Social Networking, e-Governance.
- Digital Financial Tools and Applications.
- Future Skills and Cyber Security.
- Technological Development and Innovation in the field of Computer and Information Technology (Artificial Intelligence, Big Data Processing, Deep Learning, Machine Learning, Internet of Things) and India's achievements in this field etc.

Part-3

(General information related to The State of Uttar Pradesh)

History of Uttar Pradesh, Culture, Art, Architecture, Festivals, Folk Music & Dances, Literature, Regional Languages, Heritage, Social Customs and Tourism, Geographical Landscape and Environment, Natural Resources, Climate, Soil, Forests, Wildlife, Mines and Minerals, Economy, Agriculture, Industry, Business and Employment, Polity and Administration, Current Events and achievements of Uttar Pradesh State in various fields etc.

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