Annexure –II

Scheme of Examination for Recruitment to the Post of Statistical Officer (Direct Recruitment)

The following shall be the Scheme of Examination, components of written test and its syllabus for recruitment to the post of **Statistical Officer (Level – 7)** by **Direct Recruitment**.

Scheme of the Examination:

Components	Test	Time Duration	Maximum Marks
Paper-1	Objective Type	3 Hours	100
Paper-2	Subject/ Post Specific Objective Type		100
Total Marks (100+100)			**200**

Note:- There shall be no negative marking for wrong answers.

Questions will be designed to test the ability of the candidate's General Studies as under:

Paper-1	Subject	Duration : 3 Hours	
S.No.		No. of Questions	Marks
1	General Awareness	20	20
2	General Intelligence & Reasoning Ability	20	20
3	Arithmetical & Numerical Ability	20	20
4	Test of English Language & Comprehension	20	20
5	Test of Hindi Language & Comprehension	20	20
Paper-2	Subject/ Post Specific Objective Type	100	100

Detailed Syllabus:

Paper-1

(i) **General Awareness:** Questions will be designed to test the ability of the candidate's General Awareness of the environment around him/ her and its application to society. The questions will also be designed to test knowledge of the Current Events and of such matters of everyday observations as may be expected of an educated person. The test will also include questions relating to History, Polity, Constitution, Sports, Art & Culture, Geography, Economics, Everyday Science, Scientific Research, National/ International Organizations/ Institutions etc.

(ii) **General Intelligence & Reasoning Ability:** The syllabus of General Intelligence & Reasoning Ability includes questions of both verbal and non-verbal types. Test may include questions on analogies, similarities, differences, space visualization, problem solving, analysis, judgment, decision making, visual memory,

discrimination, observation, relationship, concepts arithmetical reasoning, verbal and figure classification, arithmetical number series etc.

(iii) **Arithmetical & Numerical Ability:** The test of Arithmetical and Numerical Abilities will cover Number System including questions on Simplification, Decimals, Data Interpretation, Fractions, L.C.M., H.C.F, Ratio & Proportion, Percentage, Average, Profit & Loss, Discount, Simple & Compound Interest, Mensuration, Time & Work, Time & Distance, Tables & Graphs etc.

(iv) **Test of English Language & Comprehension:** In addition to the testing of candidate's understanding and comprehension of the English Language, questions on its Vocabulary, Grammar, Sentence Structure, Synonyms, Antonyms and its correct usage etc. would also be covered.

(v) **Test of Hindi Language & Comprehension:** In addition to the testing of candidate's Understanding and comprehension of the Hindi Language, questions on its Vocabulary, Grammar, Sentence Structure, Synonyms, Antonyms and its correct usage etc. would also be covered.

Paper-2:

The questions will be designed to test the ability of the candidate's knowledge pertaining to functional, procedural aspect of the work profile of the post concerned and qualifications prescribed in recruitment rules, as below:

1. **Collection, Classification, Tabulation and Diagrammatic Presentation of data,** Measures of Central Tendency, Dispersion, Moments, Skewness and Kurtosis etc.
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, and Cost of Living index number.
7. **Vital Statistics:** Collection of vital statistics- Measures of Mortality and Fertility rates, life tables, Population growth.
8. **System & Statistical Organization in India:** System of National Accounting (SNA), Ministry of Statistics and Programme Implementation (MoSPI), Central Statistical Office (CSO), National Sample Survey Organization (NSSO), Registrar General of India (RGI), Niti Aayog and Reserve Bank of India (RBI).

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. **Indian Economy:** Agriculture, Industry, Livestock, Infrastructure Development, Public Finance, National Income, Poverty, Unemployment and Human Development.
11. **Elementary Mathematics:** Decimal fraction, percentage, Rates & ratio, average, simple and compound interest, square roots, graphical analysis, Data analysis etc.
12. **Basic of Computer:** MS Word, MS Excel and Power Point Presentation, Basic Knowledge of Internet.

Note:-

(i) **The paper – 2 of the candidates shall be evaluated only if they obtain minimum prescribed marks in Paper – 1.**

(ii) **Final merit list shall be drawn on the basis of marks obtained by candidates in Paper – 1 and Paper – 2.**

(Registrar)