

Annexure-I

विशेष सर्वेक्षण सहायक बन्दोबस्त पदाधिकारी पद हेतु सांकेतिक सिलेबस

- A.** Chemistry, Physics, Mathematics, Basic Electrical Engg., Engineering Mechanics, Physics (Mechanics & Mechanics of Solids., Mathematics (Calculus, Multivariable Calculus and Linear Algebra), Basic Electrical Engg., Engineering Graphics & Design, Mathematics (Differential Equations), Programming for Problem Solving, Basic Electronics, Engg., Computer-aided Civil Engineering Drawing, Engineering Mechanics, Energy Science & Engineering, Life Science, Mathematics (Transform & Discrete Mathematics), Mechanical Engg., Instrumentation & Sensor Technologies for Civil Engg. Applications, Engg. Geology, Disaster Preparedness & Planning, Introduction to Fluid Mechanics, Introduction to Solid Mechanics, Surveying & Geomatics, Materials, Testing * Evaluation, Civil Engg. Societal & Global Impact, Management I (Organizational Behavior), Mechanics of Materials, Hydraulic Engg., Structural Engg., Geotechnical Engg., Hydrology & Water Resources Engg., Environmental Engg., Transportation Engg., Professional Practices, Law & Ethics, Constitution of India / Essence of India Knowledge Tradition, Construction Engineering & Management, Engg. Economics, Estimation & Costing, Elective, Open Elective Suggested (Metro Systems & Engg.) .

B. General Studies, Mental Ability & Indian Language :

Questions on General Science will cover General appreciation and understanding of science including matters of everyday observation and experience, as may be expected of a well-educated person who has not made a special study of any particular scientific discipline. In current events, knowledge of significant national and international events will be tested. In History of India, emphasis will be on broad general understanding of the subject in its social, economic and political aspects. Questions on the Indian National Movement will relate to the nature and character of the nineteenth century resurgence, growth of nationalism and attainment of Independence. In Geography, emphasis will be on Geography of India. Questions on the Geography of India will relate to physical, social and economic Geography of the country, including the main features of Indian agricultural and natural resources. Questions on Indian Polity and Economy will test knowledge of the country's political system and Constitution of India, Panchayati Raj, Social Systems and economic developments in India. On general mental ability, the candidates will be tested on reasoning and analytical abilities.

Annexure-II

विशेष सर्वेक्षण कानूनगो पद हेतु सांकेतिक सिलेबस

A. Mathematics, Applied Physics, Applied Chemistry, Engg. Graphics, Introduction of IT Systems, Fundamental of Electrical & Electronics Engg., Engg. Mechanics, Building Construction and Construction Materials, Basic Surveying, Mechanics of Materials, Concrete Technology, Geo Technical Engg., Hydraulics, Advance Surveying, Theory of Structure, Building Planning and Drawing, Transportation Engg., Design of Steel and R.C.C. Structure, Estimating and Costing, Water Resources Engg., Program Elective, Entrepreneurship and Start-ups, Public Health Engineering, Advanced Design of Structures, Program Elective, Open Elective / COE.

B. General Studies, Mental Ability & Indian Language :

Questions on General Science will cover General appreciation and understanding of science including matters of everyday observation and experience, as may be expected of a well-educated person who has not made a special study of any particular scientific discipline. In current events, knowledge of significant national and international events will be tested. In History of India, emphasis will be on broad general understanding of the subject in its social, economic and political aspects. Questions on the Indian National Movement will relate to the nature and character of the nineteenth century resurgence, growth of nationalism and attainment of Independence. In Geography, emphasis will be on Geography of India. Questions on the Geography of India will relate to physical, social and economic Geography of the country, including the main features of Indian agricultural and natural resources. Questions on Indian Polity and Economy will test knowledge of the country's political system and Constitution of India, Panchayati Raj, Social Systems and economic developments in India. On general mental ability, the candidates will be tested on reasoning and analytical abilities.

Annexure-III

विशेष सर्वेक्षण अमीन पद हेतु सांकेतिक सिलेबस

A. Mathematics, Applied Physics, Applied Chemistry, Engg. Graphics, Introduction of IT Systems, Fundamental of Electrical & Electronics Engg., Engg. Mechanics, Building Construction and Construction Materials, Basic Surveying, Mechanics of Materials, Concrete Technology, Geo Technical Engg., Hydraulics, Advance Surveying, Theory of Structure, Building Planning and Drawing, Transportation Engg., Design of Steel and R.C.C. Structure, Estimating and Costing, Water Resources Engg., Program Elective, Entrepreneurship and Start-ups, Public Health Engineering, Advanced Design of Structures, Program Elective, Open Elective / COE.

B. General Studies, Mental Ability & Indian Language :

Questions on General Science will cover General appreciation and understanding of science including matters of everyday observation and experience, as may be expected of a well-educated person who has not made a special study of any particular scientific discipline. In current events, knowledge of significant national and international events will be tested. In History of India, emphasis will be on broad general understanding of the subject in its social, economic and political aspects. Questions on the Indian National Movement will relate to the nature and character of the nineteenth century resurgence, growth of nationalism and attainment of Independence. In Geography, emphasis will be on Geography of India. Questions on the Geography of India will relate to physical, social and economic Geography of the country, including the main features of Indian agricultural and natural resources. Questions on Indian Polity and Economy will test knowledge of the country's political system and Constitution of India, Panchayati Raj, Social Systems and economic developments in India. On general mental ability, the candidates will be tested on reasoning and analytical abilities.

Annexure-IV

विशेष सर्वेक्षण लिपिक पद हेतु सांकेतिक सिलेबस

A. General Knowledge :

- (i) **General Studies** - भारत और पड़ोसी देशों का इतिहास, संस्कृति, भूगोल। भारत का स्वतंत्रता आंदोलन एवं आर्थिक परिदृश्य। भारतीय कृषि और प्राकृतिक संसाधनों की मरमुख विशेषता। भारतीय संविधान। देश की राजनैतिक प्रणाली एवं सामुदायिक विकास। पंचवर्षीय योजनाएँ। राष्ट्रीय आंदोलन में बिहार का योगदान। वैज्ञानिक आविष्कार और खोज। राष्ट्रीय और अंतर्राष्ट्रीय पुरस्कार। भारतीय भाषाएँ। राजधानियाँ, मुद्रा, खेल-कूद। करेंट अफेयर्स - राष्ट्रीय और अंतर्राष्ट्रीय।
- (ii) **Mathematics** - पूर्ण संख्याओं का अभिकलन, दशमलव और भिन्न, संख्याओं के बिच परस्पर संबंध, मौलिक अंकगणितीय संचालन, अनुपात और समानुपात, प्रतिशत, साधारण व्याज, लाभ-हानी, छूट, औसत, कार्य समय, साझेदारी एवम समय और दूरी।
- (iii) **Mental Ability Test** - तार्किक विचार, खून का रिश्ता, कोडिंग-डिकोडिंग, संख्या और शब्द श्रृंखला, शब्दों की व्यवस्था, पहेली सारणीकरण, संबंध अवधारणाएँ, वर्गीकरण, बैठक व्यवस्था, समानताएं और अंतर तथा रैंकिंग, दिशाएँ एवं वर्णमाला संबंधी परीक्षण।
