



## **Kerala Devaswom Recruitment Board,**

### Syllabus

### **Overseer Grade III (Civil)-Travancore Devaswom Board**

Notification dated 06.12.2017

Category No.2/2017

Maximum Marks-100

#### **Module I-General Knowledge and Current Affairs (Total 20 marks)**

##### **(a) Salient Features of Indian Constitution**

Salient features of the Constitution, Centre-State Relations-Legislative-Administrative and Financial, Services under the Union and the States, Emergency Provisions, Amendment Provisions of the Constitution.

##### **(b) Social Welfare Legislations and Programmes**

Social Service Legislations like Right to Information Act, Prevention of atrocities against Women and Children, Food Security Act, Environmental Acts etc. Social Welfare Programmes like Employment Guarantee Programme, Organ and Blood Donation etc.

##### **(c) Geographical Features of Kerala**

Physiography, Geology, soils, climate, rainfall, rivers and river projects, famous sites.

##### **(d) The Colonial Intervention-**

British land revenue administration in Malabar-Tenurial reforms of Travancore and Cochin-English education and printing press.

**(e) Kerala Renaissance**

Naraya Guru and other reformers, Anti-caste movement-Reform movements in Kerala. Caste organisations, Temple entry movements, Nationalist movements in Kerala -Malabar Rebellion of 1921-Nature of the Revolt-Salt Satyagraha. Travancore State Congress and the struggle for Responsible Government. Cochi Rajya praja Mandalam. Left movements-Karshaka Sangham in Malabar-Punnappa Vayalar. Aikya Kerala Movement-First Communist Ministry-Historic Legislations-Liberation Movements. 'Kerala Model' Development-Panchayat Raj and Peoples planning

**(f) Awakening through Literature**

Literature and culture - Origin and Development of Malayalam language. Novel, Drama, poetry, Purogamana Sahithya Prasthanam, Nataka Prashtanam, Library movement etc. Art forms of Kerala, Kerala festivals and Celebrations

**(g) Current Affairs**

Important world, national and regional events related to the political and scientific fields, sports, cinema and literature etc.

**Module II-Engineering Subjects (Total 80 marks)**

1. **Survey:** Chain survey, Plane table Survey, Compass Survey, Levelling Theodolite, Basic concepts of remote sensing, Ariel survey, image processing and pattern recognition. (Field work related concepts only)
2. **Building materials :** Conventional materials -Clay products, cement, lime, mortar, timber stone, steel, concrete, paint & varnish and New construction materials-Ply wood, particle board, FRP, MDF, Plastics, Rubber and their properties.
3. **Construction practice:** Construction of stone and brick masonry, Arches & Lintel, DPC, staircase, roof, Doors & Windows, Concrete and wooden members, Foundations, Building maintenance & Services
4. **Building Drawing and KMBR/KPBR:** Building drawing as per BIS standards and KMBR/KPBR
5. **Concrete Technology:** Properties of Cement, Aggregates and Concrete, Testing of Cement, aggregates and concrete, Concrete construction, Detailing of reinforcement as per ISCode

6. **Highway Engineering:** Basics of Traffic Engineering, IRC classification of roads, WBM and Bituminous Macadam road construction and maintenance. Components of bridges and culverts, classifications. Railways-Permanent way and its components
7. **Hydrology:** Water Cycle, Hydrograph, peak flow, Runoff, Catchment area, water shed area
8. **Irrigation Engineering:** Duty, Delta, Crop seasons, Command area, Types of irrigation systems-Storage & Diversion systems, Head works, Canal systems, canal regulators, Cross draingae works, Fundamental components of hydro electric systems.
9. **Estimating and costing :** Estimation of buildings & Other Civil Engineering structures and valuation
10. **Environmental Engineering:** Water supply-Distribution of water-Water supply fittings. Sanitary Engineering-Sewerage systems and components.
11. **Foundation Engineering:** Classification of soil, Loads on structures, bearing capacity of soil, Types of Shallow and Deep foundations
12. **Basic Computer Applications:** Computer aided drafting, Architectural Desktop.

**Note :** It may be noted that apart from the topics detailed above questions from other topics prescribed for the educational qualifications of the post may also appear in the question paper. There is no undertaking that all the topics mentioned in Module-I and II above may be covered in the question paper.

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