

Rules and Regulation of Professional Examination by PSC

Rules regarding the professional examination for officers of (i) the Irrigation and Waterways Department, (ii) Public Works Department, (iii) Department of Public Health Engineering (No. 282-PAR (Trg.), dated the 17th March, 1989), (iv) Agriculture Department (No. 705-PAR(Trg.), dated the 23rd July, 1987), (v) Municipal Engineering Directorate under the Local Government and Urban Development Department (No. 677-PAR (Trg.), the dated 15th July, 1988).

1. All directly recruited Assistant Executive Engineers and all Assistant Engineers (including Electrical Assistant Engineers and Mechanical Assistant Engineers) (No. 3912-F, dated 30th July, 1964) except those promoted from the Subordinate Engineering Service or from Electrical or Mechanical Sub-Assistant Engineers Establishment shall have to pass the professional Examination prescribed in these rules during the period of their probation.
2. The professional examination shall be conducted by the Public Service Commission and may be held twice every year namely, in May and November.
3. (1) The subjects for the examination which will be partly written and partly oral for officers of Public Work Department, Public Works (Road) Department and Irrigation and Waterways Department other than an Electrical Assistant Engineer and a Mechanical Assistant Engineer are given below. The examination will be of a practical character.

Paper – I

- (i) Preparation of simple designs and estimates.
- (ii) Process for preparing materials for works.

Paper – II

- (i) Resources of Materials and mode of utilisation and management of works.
 - (ii) Departmental rules and accounts procedure.
- (2) The subjects for the examination which will be partly written and partly oral for officers of Agriculture Department other than an electrical Assistant Engineer and a Mechanical Assistant Engineer are given below:-

Paper – I

- (i) Preparation of simple design and estimates of buildings, small dams, embankments, canals and other hydraulic structures.
- (ii) Design, installation, maintenance and operation of deep tubewells and shallow tubewells.
- (iii) Design, laying and maintenance of pressurised pipelines including the I.C.O. pipelines for transmission of irrigation water.
- (iv) Crop water requirements of major crops.

(i) Process for preparing materials for works.

(ii) Resources of materials and mode of utilisation and management of works.

(iii) Departmental rules and accounts procedure.

(3) The subjects for the examination which will be partly written and partly oral for the officers of Municipal Engineering Directorate under Local Government and Urban Development Department are given below. The examination will be of practical character.

Paper – I

(i) Preparation of simple designs and estimates of buildings, roads, sewerage, drainage, water-works and sanitary works.

(ii) Construction and Maintenance of buildings, roads, sewerage, drainage water works and sanitary works.

Paper – II

(i) Process for preparing materials for works.

(ii) Resources of materials and mode of utilisation and management of works.

(iii) Departmental rules and accounts procedure.

4. In Paper – I the candidates will be tested regarding their capacity to draw up simple designs and prepare estimates in respect of works of a type usually undertaken by Government.

They will also be tested regarding their knowledge of recognised processes of preparing various categories of materials and modes of construction in use in India.

5. In Paper- II they will be examined regarding their knowledge of the resources of materials available in the district where an officer is posted and modes of their utilisation. The capacity of officers regarding management and control of staff and works will also be tested.

6. During the oral test the officers will be asked questions on the subjects stated in the foregoing rules. The candidates will be tested regarding their capacity to give correct and clear answers promptly.

7. The following table gives the details of the test and the standard thereof:-

Subject	Full Marks	Pass Marks	Time
Paper – I (Written)	100	60	3 hrs.
Paper – II (Written)	100	60	3 hrs.
Oral test	100	60	About 15 minutes each.

8. (1) The subjects for the examination in the case of Electrical Assistant Engineers of Public Works Department and irrigation and Waterways Department which will be partly oral and partly written

shall be as follows:-

The Examination will be of a practical character.

(i) Technical knowledge and ability to apply the same to departmental projects.

(ii) Preparation of simple designs and estimates.

(iii) Departmental rules and accounts procedure.

(2) The subjects for the examination in the case of Electrical Assistant Engineers of the Agriculture Department which will be partly written and partly oral shall be as follows:-

(i) Installation, operation and maintenance of electrical motors (both AC and DC) and pumps including submersible pumps.

(ii) Installation, operation and maintenance of different types of transformers, switch gears (both M.T. and L.T.) H.T. and L.T. Cables with joining, control panels, switches, etc.

(iii) (a) Testing of machines as per I.S. Code and I.E. Rules, (b) I.E. Rules, (c) Earthing, (d) Different types of wirings.

(iv) Crop water requirements of major crops.

(v) Process for preparing materials for works.

(vi) Resources of materials and mode of utilisation and management of works,

(vii) Departmental rules and accounts procedure.

(3) The examination in the case of the Mechanical Assistant Engineers of Public Works (Roads) Department and Irrigation and Waterways Department shall be of a practical character and shall be partly oral and partly written and the subjects for the examination shall be as follows:-

(i) Technical Knowledge and ability to apply the same to departmental projects and machineries,

(ii) Preparation of simple mechanical designs and estimates,

(iii) Departmental rules and accounts procedure,

(4) The subjects for the examination of Mechanical Assistant Engineers of the Agriculture Department which will be partly written and partly oral shall be as follows

(i) Installation, operation and maintenance of diesel engines and pumps,

(ii) Operation and maintenance of tractors and other transport vehicles,

(iii) Operation and maintenance of different kinds of agricultural implements and machinery.

(iv) Crop water requirements of major crops.

(v) Process for preparing materials for works.

(vi) Resources of materials and mode of utilisation and management of works.

(vii) Departmental rules and accounts procedure.

9. The following table gives the details of the test and standard thereof in respect of the examination for Electrical Assistant Engineers and Mechanical Assistant Engineers.

Subject	Full Marks	Pass Marks	Time
Written Test	100	60	3 hrs.
Oral Test	100	60	3 hrs.

10. An Assistant Executive Engineer or Assistant Engineers desirous of undergoing a professional Examination may apply in writing addressed to the Chief Engineer through the Executive Engineer concerned for being examined accordingly, and the Executive Engineer and the Superintending Engineer shall in forwarding such application submit a statement showing the different types of work on which the intending examinee has been employed from time to time since the date of his appointment on probation. The superintending Engineer will also attach therewith a special report regarding his qualifications which cannot be tested by examination, specially in regard to the officer's physical energy and efficiency and practical work and capacity to manage subordinate staff. These reports shall always be considered before holding the examination and until the reports have been received and found satisfactory by the Chief Engineer, the candidate shall not be entitled to be examined.

The Chief Engineer shall forward the names of selected candidate to the Public Service Commission not later than the 15th of April and October, each year.

11. (1) For the purpose of conducting the examination, written and oral, in the case of Assistant Engineers of Public Works Department, Public Works (Roads) Department and Irrigation and Waterways Department, the Public Service Commission shall, in consultation with the respective Chief Engineers, constitute four committees of which one shall be for examination of the Electrical Assistant Engineers, one for examination of the Mechanical Assistant Engineers and one each for the examination of the Civil Assistant Engineers under the Directorate of Irrigation and Waterways and of Public Works.

(2) For the Examination of Electrical Assistant Engineers such committee shall consist of one Superintending Engineer Electrical (P.W.D.) as President and two Electrical Executive Engineers -one from each of the Directorates of Irrigation and Waterways and of Public Works – as members. For the examination of Mechanical Assistant Engineers such Committee shall consist of the superintending Engineer, Road Planning Circle as President and two Mechanical Executive Engineers – one from each of the Directorate of Irrigation and Waterways and of Public Works (Roads) as members. For the examination of the Civil Assistant Engineers of the respective directorates, such committee shall be comprised of one superintending engineers as President and two Executive Engineers as members from the respective Directorates (No. 3912-F dated 30th July, 1964) .

(3) For the purpose of conducting the examinations written and oral, in the case of Assistant Engineers of Agriculture Department, the Public Service Commission shall, in consultation with the Chief Engineer, constitute three committees of which one shall be for examination of the electrical Assistant Engineers, one for examination of Mechanical Assistant engineers and one for examination of Civil Assistant Engineers of the Agriculture Department.

(4) For the examination of Electrical Assistant Engineers of the Agriculture Department such committee shall consist of one superintending Engineer, Electrical (Public Works Department) as President and two Electrical Executive Engineers of Public Works Department as members .

For the Examination of Mechanical Assistant Engineers such committee shall consist of one Superintending Engineer Mechanical (Agriculture Department) as President and two Mechanical Executive Engineers (Agriculture Department) as members.

For the examination of Civil Assistant Engineers such committee shall consist of one Superintending Engineer Civil (Agriculture Department) as President and two Civil Executive Engineers (Agriculture Department) as members.

(5) For conducting the examination of the Assistant Engineers under the Department of Public Health Engineering, the Public Service Commission shall, in consultation with the Chief Engineer, constitute the following three committees:-

(i) one committee for the examination of Civil Assistant Engineers which shall consist of one Superintending engineer (Civil), Department of Public Health Engineering as President and two Executive Engineers (Civil), Department of Public Health Engineering, as members;

(ii) One committee for the examination of the Electrical Assistant Engineers, which shall consist of one Superintending engineer (Electrical), Public Works Department as President, one Executive Engineer (Electrical), Department of Public Health Engineering as members;

(iii) one committee for the examination of the Mechanical Assistant Engineers which shall consist of one Superintending Engineer (Mechanical) Department of Public Health Engineering, as President and two Executive Engineers (Mechanical), Department of Public Health Engineering, as members.

(6) For the purpose of conducting the examination, written and oral in the case of Assistant Engineers of Municipal Engineering Directorate the Public Service Commission shall in consultation with the Chief Engineer, Municipal Engineering Directorate, constitute a Committee consisting of one Superintending Engineer (Civil) of Municipal Engineering Directorate as President and two Executive Engineers (Civil) of Municipal Engineering Directorate as members.

12. The questions in the written tests will be framed by the respective committees and forwarded to the Public Service Commission. The Committee will examine the scripts and also conduct the oral test.

13. The Committee will submit the marks awarded in the written tests and the oral tests separately to the Public Service Commission, West Bengal. The results of the examination as finally approved by the Public Service Commission will be published in Calcutta Gazette (No. 4620-F dated the 4th October, 1963).

14. Assistant Executive Engineers and Assistant Engineers (including Electrical Engineers and Mechanical Engineers) on first appointment should be posted to such duties as will offer an experience of work necessary to enable them to pass the examination laid down in the preceding paragraphs. Cases may, however, occur in which owing to the exigencies of the Public Service, illness or want of time or opportunity for convening a committee an officer may not be able to pass the examination in question within the prescribed period. In such cases an officer may at the discretion of the State Government be afforded a reasonable extension of time up to a limit of one year and if he passes within this further period no penalty should be enforced. In the event of an

officer failing to pass the examination within the extended period, his pay, increments and subsequent confirmation or otherwise should be governed by rule in Chapter – I, Part-A.