

APPENDIX - I

SCHEME AND SYLLABUS OF EXAMINATION FOR THE PURPOSE OF FILLING UP THE POST OF ASSISTANT ENGINEER IN THE SIKKIM STATE ENGINEER SERVICE (CIVIL)

1. The examination will consist of 2 papers:-

PAPERS	SUBJECT	FULL MARKS	TIME ALLOWED
PAPER-I	General English & General Knowledge	100 MCQ&Conventional	2.00 hours.
PAPER-II	Civil Engineering	250 MCQ&Conventional	3.30 hours.
VIVA-VOCE/Personality Test- 50 marks			

2. PAPER-I: GENERAL ENGLISH

The question will be designed to test the candidate's understanding and command of the English language. *Mode of Examination pattern shall be objective MCQ, Conventional/MCQ for both Paper-I, General English-General Knowledge and Paper-II (Civil Engineering).*

English: Candidate will be required to answer questions designed to test their understanding of English and workman like use of words. The patterns of questions would be broadly as follows:-

- (i) Comprehension & Grammar - 20 marks
- (ii) Letter Writing/Report Writing/Project Writing - 30 marks

General Knowledge: Knowledge of current events of local, National and International importance and of such matter of everyday observation and experience in their scientific aspects as may be expected of any educated person who has not made a special study of any scientific subject.

PAPER-II

The questions will be conventional & MCQ type and will cover areas of knowledge of the following subject and topics:-

1. Quantity Units & Measurements.
2. Surveying.
3. Estimate & Costing.
4. Soil Mechanics, Foundation Engineering & Engineering Geology.
5. Hydraulics & Fluid Mechanics.
6. Building Material and Construction.
7. Theory of Structures (R.C.C. & Steel).
8. R.C.C. Design.
9. Water Supply & Sanitary Engineering.
10. Roads/Highways, Transportation Engineering and Bridges/Culverts.
11. Irrigation Engineering.