

**GOVERNMENT OF SIKKIM
DEPARTMENT OF PERSONNEL ADM. REFORMS & TRAINING, PUBLIC
GRIEVANCES, CAREER OPTION, EMPLOYMENT SKILL DEVELOPMENT
AND CHIEF MINISTER'S SELF EMPLOYMENT SCHEME.
GANGTOK**

No. 159 /GEN/DOP

Dated: 14.11.2007

NOTIFICATION

1. Rules for open competitive examination to be conducted by the Sikkim Public Service Commission in 2007 for selection of candidates for appointment to the post of Assistant Engineer (Mechanical) are published for general information.
2. The number of vacancies to be filled on the results of the examination will be specified in the Notice issued by the Sikkim Public Service Commission.
3. The examination will be conducted by the Sikkim Public Service Commission according to syllabus and plans as indicated in the Appendix I to these rules.
4. The date and the place of the examination will be fixed by the Sikkim Public Service Commission.
5. Candidates must write answers in their own hand. In no circumstances will they be allowed the help of a scribe to write the answers for them.
6. The Commission shall have discretion to fix qualifying marks in any or all subjects to the written examination.

A candidate who obtains such minimum qualifying marks in the written examination as may be fixed by the Commission shall be called for personality test. In the personality test, candidates will be asked questions on the matters of general interests, for personality test there will be a maximum of 30 marks or to be assigned by the Commission at their discretion.

7. The decision of the Commission as to the eligibility or otherwise of a candidate for admission to the written examination shall be final.
8. No candidate will be admitted to the examination unless he holds a certificate of admission issued by the Commission.
9. A candidate must pay fee as may be prescribed by the Commission.
10. A candidate who is or has been declared by the Commission to be guilty or any attempt on his part to obtain support for his candidature by any means shall render himself liable to be disqualified for admission to the competitive examination.
11. After the examination and interview, the names of the successful candidates will be arranged by the Commission in the order of merit as disclosed by aggregate marks finally awarded to each candidate. Candidates shall be considered for appointment to the available vacancies in the order in which their names appear in the list.

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12. The form and manner of announcement of results of the examination shall be decided at the discretion to the Commission. The Commission, will not enter in to any correspondence with any candidate regarding results.
13. A candidate who is or has been declared by the Commission guilty of impersonation or of submitting false and fabricated documents which have been tempered with or making statements which are incorrect or false or suppressing material information or of using or of attempting to use unfair means in the examination hall or otherwise, resorting to any other irregular or improper means for obtaining admission to the examination may, in addition to rendering himself liable to be prosecution, be debarred:-
 - (a) by the Commission permanently or for specified period for admission to any examination or appearance at any interview held by the Commission for selection of candidates,
 - (b) by the State Government from any employment under them.
14. Conditions of eligibility for appearing at the competitive examination have been indicated in the Appendix II to these rules.
15. Candidates already in Government service or in Government owned undertaking or similar organizations, whether permanent or temporary capacity or as workcharged employee shall be, required to submit their application alongwith the 'No Objection Certificate' from their employer.
16. Success in the examination confers no right to appointment unless Government is satisfied after such enquiry as may be considered necessary that a candidate having regard to his character and antecedents is suitable in all respects for appointment.
17. A candidate must be in good mental bodily health and free from any physical defect likely to interfere with the discharge of his duties as an officer of the Service. A candidate who (after such medical examination as may be prescribed by the competent authority) is found not to satisfy these requirements will not be appointed.
18. If a candidates handwriting is not easily legible, a deduction may be made in this account from the total marks otherwise accruing to him/her.
19. Credit will be given for good English including orderly, effective and exact expression combined with economy of words in all subjects of the examination and not only in subjects, which are especially devoted to English.
20. No traveling and daily allowance will be paid for the journey performed in connection with the examination, interview and medical examination.

All other matters not specified or for which no provision has been made in these rules shall be regulated by rules and orders applicable to the Service to which recruitment is being made.

BY ORDER AND IN THE NAME OF GOVERNOR.

Sd /-
(C. L. SHARMA)
SPECIAL SECRETARY TO THE GOVT. OF SIKKIM

Copy to :-

1. Secretary, S.P.S.C. – (50 copies)
2. File and
3. Guard file

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SCHEME AND SYLLABUS OF EXAMINATION FOR THE PURPOSE OF FILLING UP THE POST OF ASSISTANT ENGINEER (MECHANICAL).

The examination will consist of 3 papers:-

| PAPERS | SUBJECT | FULL MARKS | TIME ALLOWED |
|-----------|------------------------|------------|--------------|
| PAPER-I | General English | 50 | 1½ hours |
| PAPER-II | General Knowledge | 50 | 1½ hours |
| PAPER-III | Mechanical Engineering | 150 | 3 hours |

VIVA-VOCE/PERSONALITY 30

PAPER-I: GENERAL ENGLISH:

The question will be designed to test the candidate's understanding and command of the English language.

PAPER-II: GENERAL KNOWLEDGE

Knowledge of current events of local, national and international importance and such other matter which a person is expected to be aware of.

PAPER -III

The question will be CONVENTIONAL TYPE and will cover areas of knowledge of the following subject and topics :-

Subject : MACHINE DESIGN

- Chapters**
- (1) Introduction and design of Cylinders, Rivetted joints, Shafts, Keys, Couplings, Power Screw and Nut.
 - (2) Springs-Introduction & Types of Springs.
 - (3) Bearings-Classification and bearing materials.
 - (4) Welded connections-Types of welded joints-strength of welds.

Subject WORKSHOP TECHNOLOGY.

- Chapters**
- (1) Heat treatment of Iron and Steel.
 - (2) Lubricants and Lubrication.
 - (3) Welding, Soldering and Brazing.
 - (4) Measuring instruments.
 - (5) Metal cutting and cutting tools.
 - (6) Lathe.
 - (7) Drilling Machines.
 - (8) Milling Machines.
 - (9) Surface Fining processes.

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Subject **HEAT ENGINE**

- Chapters**
- (1) First and Second Law of Thermodynamics.
 - (2) I.C. Engine.
 - (3) Reciprocating Air Compressor.

Subject **THEORY OF MACHINE**

- Chapters**
- (1) Simple Mechanism.
 - (2) Motion, Force, Work and Energy.
 - (3) Analysis on Velocity and Acceleration in Mechanism.
 - (4) Friction.
 - (5) Brake and Hydrometer.
 - (6) Governor.
 - (7) Balancing

Subject **WORKS ORGANISATION AND MANAGEMENT**

- Chapters**
- (1) Inventory control.
 - (2) Work study.
 - (3) Job evaluation merit rating and wage incentive.
 - (4) Critical Path Economy.
 - (5) Depreciation and Valuation.

Subject **POWER STATION ENGINEERING AND ECONOMY**

- Chapters**
- (1) Water power and Hydraulic structures.
 - (2) Energy Source development.

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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 :-

- 1 Comprehension of given passage.
- 2 Precise writing
- 3 Usages and Vocabulary
- 4 Short essay.

General Knowledge :

Knowledge of current events of National and International importance and of such matter of everyday observation and experience in their scientific aspects as may be expected of any educated persons who has not made a special study of any scientific subject. The paper will also include questions on Modern History (from 1857 onwards) of India, Indian culture, Indian policy, Indian economy and Geography without special nature as candidates should be able to answer without Special Study and questions on the techniques of Mahatma Gandhi.

VIVA-VOICE :

The candidates will be interviewed by the Commission who will have before them a record of his career. He will be asked questions on matters of general interest. The object of the interview is to assess the personal suitability of the candidate for the service /post.

The test is intended to judge the mental caliber of candidate. In broad terms, this is really an assessment of not only his intellectual qualities but also social traits and his interest in current affairs. Some of the qualities to be judged are mental alertness, critical powers of assimilation, care and logical exposition, balance of judgment, variety and depth of interest, ability for social cohesion and leadership intellectual and moral integrity.

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CONDITIONS OF ELIGIBILITY FOR APPEARING IN THE EXAMINATION:

In order to be eligible to appear in the Competitive Examination, a candidate must satisfy the following conditions, namely:-

- (a) Educational qualification: Degree in Mechanical Engineering from a recognized University.
- (b) Age : Age between 21 to 30 years.
The upper age limit is relaxable upto 40 years in respect of Govt. Servant.
The maximum age limit is relaxable by 5 years in the case of ST/SC candidates & 3 years in case of MBC/OBC candidates.
- (c) Other qualification : (1) Preference will be given to Sikkim Government Stipendiary / seat reserved for State of Sikkim
(2) Should be conversant with the Customs and usages of Sikkim.
(3) Should have knowledge of any of the State languages viz- Nepali/ Sikkimese Bhutia/ Lepcha and Limboo .
(4) Should have Local Employment Card.