SCHEME AND SYLLABUS FOR THE POST OF INSPECTOR OF BOILERS IN A.P. BOILERS SERVICES

Engineers Degree standard

**SCHEME**

**PART-A WRITTEN (OBJECTIVE TYPE) EXAMINATION**

<table>
<thead>
<tr>
<th>I) General Studies</th>
<th>150 Marks</th>
<th>150 Qns</th>
<th>150 Minutes</th>
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<tbody>
<tr>
<td>II) Mechanical Engineering</td>
<td>300 Marks</td>
<td>150 Qns</td>
<td>150 Minutes</td>
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</tbody>
</table>

**PART-B: INTERVIEW**

50 Marks

**SYLLABUS**

**GENERAL STUDIES AND MENTAL ABILITY**

1. General Science – Contemporary developments in Science and Technology and their implications including matters of every day observation and experience, as may be expected of a well-educated person who has not made a special study of any scientific discipline.

2. Current events of national and international importance.

3. History of India – emphasis will be on broad general understanding of the subject in its social, economic, cultural and political aspects with a focus on AP Indian National Movement.

4. World Geography and Geography of India with a focus on AP.

5. Indian polity and Economy – including the country’s political system- rural development – Planning and economic reforms in India.

MECHANICAL ENGINEERING

1. THERMODYNAMICS:

2. HEAT TRANSFER:

3. REFRIGERATION AND AIR CONDITIONING:

4. STEAM GENERATORS AND TURBINES:

5. THEORY OF MACHINES:

6. MACHINE DESIGN:

7. ENGINEERING MATERIALS:

8. PRODUCTION ENGINEERING:

9. INDUSTRIAL ENGINEERING:
Production planning and Control: Forecasting, Moving Averages, Exponential Smoothing, Operations, Scheduling, Assembly line balancing. Product Development, Break-even analysis, Capacity Planning, PERT and CPM.
Value Engineering: Value analysis for Cost value.

10. ELEMENTS OF COMPUTATION:

Sd/- Secretary
01/07/2008