ANNEXURE-II

SCHEME AND SYLLABUS FOR THE POST OF CIVIL ASSISTANT SURGEONS IN
A.P. INSURANCE MEDICAL SERVICE

SCHEME:

a) WRITTEN EXAMINATION (Objective type)

<table>
<thead>
<tr>
<th></th>
<th>GENERAL STUDIES</th>
<th>150 Marks</th>
<th>150 Questions</th>
<th>150 Minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SUBJECT: (Medical Science &amp; General Medicine)</td>
<td>300 Marks</td>
<td>150 Questions</td>
<td>150 Minutes</td>
</tr>
</tbody>
</table>

b) INTERVIEW (Oral Test) 50 Marks

SYLLABUS

1 - GENERAL STUDIES

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.


2 - Subject: (MEDICAL SCIENCE & GENERAL MEDICINE)

HUMAN ANATOMY:
Gross and microscopic anatomy and movements of shoulder hip and knee joints – Gross and microscopic anatomy and block supply of lungs, heart, kidneys, liver, testis and uterus – Gross anatomy of pelvis, perineus and inguinal region, Cross sectional anatomy of the body at mid-thoracic, upper abdominal, mid-abdominal and pelvic regions. Major steps in the development of lung, heart, kidney, urinary bladder, uterus, ovary, testis and their common congenital abnormalistics – Placenta and placental barrier – Neural pathways for cutaneous sensations and vision cranial nerves iii, iv, v, vi, vii, x; distribution and clinical significance - Anatomy of the automatic control of gastrointestinal respiratory and reproductive systems.

HUMAN PHYSIOLOGY:

BIOCHEMISTRY:
PH and PK Henderson – Hasselbalch equation – Properties and regulation of enzyme activity; role of high energy phosphates in bioenergetics – Sources, daily requirements, action and toxicity of vitamins – Metabolism of Lipids, carbohydrates, proteins; disorders of their metabolism – Chemical nature, structure, synthesis and functions of nucleic acids and proteins – distribution and regulation of body water and minerals including trace elements – Acid base balance – Clinical importance of enzymes. PATHOLOGY:
Reaction of cell and tissue of injury; inflammation and repair, disturbances of growth and cancer; genetic diseases – Pathogenesis and histo-pathology of; rheumatic and ischaemic heart disease – bronchogenic carcinoma, carcinoma breast, oral cancer, cancer colon – Etiology,


Sd/-

SECRETARY