APPENDIX I

SCHEME AND SYLLABUS OF EXAMINATION FOR THE PURPOSE OF FILLING THE POST OF FISHERIES GUARD UNDER SIKKIM STATE SUB-ORDINATE FISHERIES SERVICE:

The competitive examination shall comprise of two stages: 1. Physical Endurance Test, and 2. Main (written) Examination.

Stage 1: Physical Endurance Test (PET):

1. All candidates have to appear in the Physical Endurance Test.
2. The candidates should possess the following physical standards:
   i. Height: 155cm
   ii. Chest girth: 84cm
   iii. Chest expansion: 90cm
      (Note: Physical fitness to be certified by the Medical Board)
   iv. Should be able to walk a distance of 25 Kms within 4 hrs.
3. The Sikkim Public Service Commission shall draw a merit list of those candidates who have qualified the PET to call for appearing in the main written examination.

Stage 2: Main (written Examination):

The mode of examination and setting up of question papers shall be both objective MCQs and Conventional types. The candidates are required to answer the objective type MCQs in the OMR Sheets and are required to follow the guidelines provided in the OMR Sheet while answering the questions.

The main examination shall consist of 2 papers:

<table>
<thead>
<tr>
<th>PAPERS</th>
<th>SUBJECT</th>
<th>FULL MARKS</th>
<th>TIME ALLOWED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAPER-I</td>
<td>General English</td>
<td>50</td>
<td>1:00 hours</td>
</tr>
<tr>
<td></td>
<td>General Knowledge</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>PAPER-II</td>
<td>Zoology</td>
<td>100</td>
<td>2:00 hours</td>
</tr>
</tbody>
</table>

4. SYLLABUS

PAPER-I:

GENERAL ENGLISH

The question will be designed to test the candidate's understanding and command of the English language. The patterns of questions would be broadly as follows:
1) Comprehension of given passage.
2) Grammar.
3) Usages and Vocabulary.
4) Report Writing, Essay Writing and Precis Writing

**General knowledge:** Knowledge of current events of local, National and International importance.

**PAPER-II: ZOOLOGY**

1) Salient features and classification of Chordates (Amphibia and Reptillia up to orders) Pisces and Aves up to subclasses.
3) Theories of evolution: Darwinism, Neo-Darwinism, Lamarckism and Neo-Lamarckism.
5) Genetics: Mendelian Genetics: Experiments and principles of inheritance; Concept of genotype, phenotype, dominance, recessive, Co-dominance, Incomplete dominance; Back cross and test cross. Gene interactions; Complementary, Epistasis, supplementary, Pleiotropic and lethal genes. Chromosomal theory of inheritance; Multiple alleles (ABO blood group in man).
7) Biochemistry: Classification of carbohydrates, proteins and lipids, Metabolism of lipids and amino acids.


UNDER SECRETARY
Directorate of Fisheries
Govt. Of Sikkim, Gangtok