

AGA KHAN UNIVERSITY EXAMINATION BOARD

HIGHER SECONDARY SCHOOL CERTIFICATE

CLASS XII EXAMINATION

Biology Paper III Practical

Time: 60 minutes Marks: 15

INSTRUCTIONS

Please read the following instructions carefully.

1. Check your name and school information. Sign if it is accurate.

**I agree that this is my name and school.
Candidate's signature**

2. RUBRIC. There are THREE stages. Perform ALL the tasks of each stage.
3. You must demonstrate the skills in front of the examiner when required.
4. Complete your answer in the allocated space only.
5. Use ONLY black pen or pencil.
6. DO NOT use staples, paper clips, glue, correcting fluid or ink erasers.
7. The marks for the tasks are shown in brackets ().

Practical

STAGE I

(Total 2 Marks)

Identify slide 4 and write ONE reason for identification.

Task 1

Identification of slide 4

Reason for identification

STAGE II

(Total 4 Marks)

Prepare a temporary slide of the smooth muscles of a frog, and draw a labelled diagram of the material as seen under the microscope.

Task 2

(1 Mark)

Slide preparation (Examiner's Observation)

Task 3

(1 Mark)

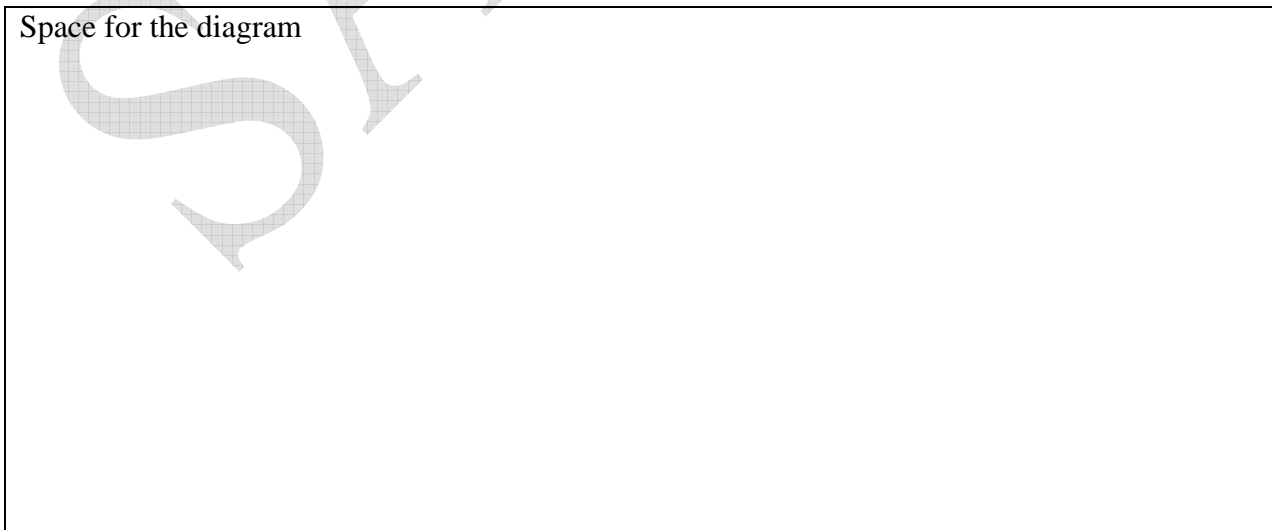
Exact focus of the microscope (Examiner's Observation)

Task 4

(2 Marks)

Labelled diagram

Space for the diagram



STAGE III

(Total 6 Marks)

Given are some living organisms of an ecosystem. With the help of this construct FOUR food chains and ONE food web.

Pea tree	Mouse	Wolf
Squirrel	Pigeon	Spider
Lion	Rabbit	Toad
Snail	Grass	Vulture
Fox	Parrot	Goat

Task 5

Food chain 1 (1 Mark)

Food chain 2 (1 Mark)

Food chain 3 (1 Mark)

Food chain 4 (1 Mark)

Task 6

(2 Marks)

Construct a food web.

Space for the food web

School Record

(Total 3 Marks)