

MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2023/2024 ACADEMIC YEAR SECOND-YEAR SECOND SEMESTER

SCHOOL OF NATURAL RESOURCES, ENVIRONMENTAL STUDIES & AGRICULTURE BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

COURSE CODE: AHP 2205-1 COURSE TITLE: APICULTURE

DATE: 22/4/2024

TIME: 1430-1700HRS

INSTRUCTION Answer all questions

1	a) State the importance of bee keeping in Kenyab) Decribe the races of bees in Kenyac) Outline two functions of each member of a bee colony case	(10 Marks) (6 Marks) ste (4 Marks)
2a) State the functions of pheromones secreted by the mandibular glandsof the queen bee(4 Marks)		
	b) Discuss the steps taken when harvesting honey from th Bar Hive	e Kenya Top (10 Marks)
	c) State and explain factors to consider when conducting qu to determine honey quality	ality control (6 Marks)
3	 a) State two (2) uses of the following bee products i) Honey ii) Bee wax 	(6 Marks)
	iii) Propolis	
	b) Discuss reasons for replacing a queen with a new one in a	a bee colony (4 Marks)
	c) Discuss and explain reasons for the following bee behavio	
		(10 Marks)
	i) Absconding	
	ii) Scouting	
	iii) Swarming iv) Communication	
	v) Migration	
4	a) State three bee pests that attack and destroy hives	(3 Marks)
	b) Discuss factors to consider when siting an apiary	(7 Marks)
	c) Discuss the merits and demerits of Kenya top bar hive	(KTBH) as a
modern hive (10 Marks)		
5	a) State the importance of regular hive inspection an	
	consider when carrying out hive inspection	(6 Marks)
	b) Describe two honey processing methodsc) Discuss five diseases that affect honey bees	(4 Marks) (10 Marks)
6	a) Discuss good seasonal management done in the foll	
U	phases of the colony cycle	(12 Marks)
	i) Build- up period	C ,
	ii) Honey flow period	
	iii) Dearth period	
	b) Discuss honey grading in Kenya	(4 Marks)
END	c)Discuss elements of honey standards	(4 Marks)
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