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## NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF CROP AND SOIL SCIENCES

EXAMINATION: FIRST SEMESTER POP EXAMINATION APRIL 2109-1

**COURSE TITLE: ARABLE CROP PRODUCTION** 

**COURSE CODE: ACP301** 

**CREDIT UNITS: 2** 

**TOTAL SCORE: 70 MARKS** 

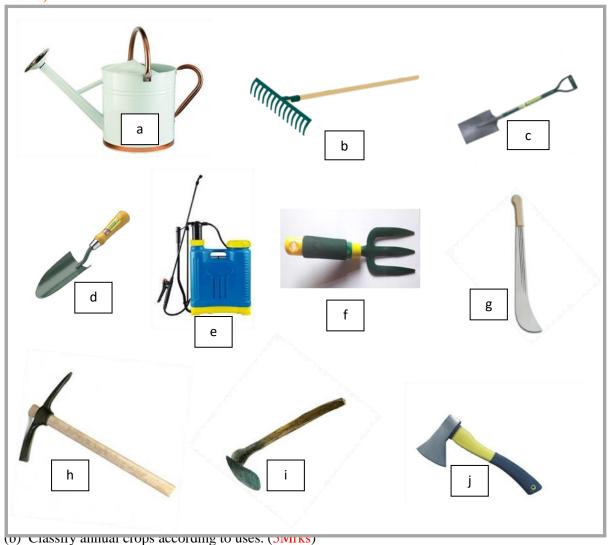
**TIME ALLOWED: 2hours 30minutes** 

INSTRUCTION: Answer FOUR Questions in All. Question 1 is compulsory (25marks) and any three questions (15

marks each)

## **Question**

1(a) Identify the farm equipment presented below and afford the specific use(s) of the identified tool(s) (20 marks)



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a) List, (using the scientific names only of) any tw	wo oil yielding arable crops in each category	of uses. (5marks)
b) List any two crops in the category of (i) annual (ii) bi-annual crops		(2 ½ Mrks) (2 ½Mrks)
c) Write short note on the following: (i) Sexual reproduction (ii) Asexual reproduction		(2 ½ Mrks) (2 ½Mrks)
a) List any five climatic factors to be co b) List any five edaphic factors to be co c) Explain Five advantages of having a	nsidered in setting up an arable field.	(5 Mrks) (5 Mrks) (5 Mrks)
<u>Q4.</u>		
Write a short explanatory note on any five of the (i) Weeding. (ii) Mulching (iii) Thinning (iv) Su	•	3 = 15Mrks each)
<u>05</u>		
<ul><li>a) List any six mineral fertilisers used in the</li><li>b) Describe four methods of fertiliser applic</li><li>c) List any five groups of organisms causing</li></ul>		(6 Marks) (4 marks) (5marks)
Q6 a) March the following terminologies with the	e appropriate crops or farm operations on	the table
(i)Vines, (ii) Mulching, (iii) training, (iv)stak drainage, (ix)irrigation (x)trapping.	ing, (v) retting,(vi) top dressing,(vii) broa	dcasting,(viii)
Removal of excess water from the field Using straw protect soil surface Application of water to crops on farm A method of pest control Application of second dose of fertilise A sowing method Manually assisting twins/creepers to compare to the Amethod of pest control Processing of (jute) fibre material Giving artificial support to weak stem	land	   - -