



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja

**Faculty of Agricultural Sciences, Dept. of Agricultural Economics and Extension,**

PoP Examination Questions, 2022\_1 Academic Session .

**Course Title: Technological and Social Change in Agriculture**

**Course Code: ARD 508**

**Credit Unit: 2 Units**

**Total Score: 70 Marks**

**Time Allowed: 2 Hrs 30 Minutes**

**INSTRUCTION: Answer any three (3) questions.**

**QUESTION ONE**

- a. Discuss three (3) practical implications of the principles of autonomy which are relevant to the applications of technology (9 Marks).
- b. There are hard lessons in technology transfer as found by practitioners, discuss four (4) of those lessons (8 Marks).
- c. Discuss the following forms of social change:
  - i. Economic change (2 marks)
  - ii. Cultural change (2 marks)
  - iii. Behavioural change (3 marks)

**QUESTION TWO**

- a. Explain three (3) areas where collaborative approach has worked in Indian agriculture (9 marks)
- b. Explain collaborative approach in relation to supply of machinery and prices for tractors as employed in India agriculture (4 Marks)
- c. Show how change is brought about through discovery and diffusion (10 Marks)

**QUESTION THREE**

- a. For technology transfer to be effective, state seven (7) basic rules that must be observed (7 Marks).
- b. Discuss the following sources of social change:
  - i. Religious institutions (4 marks)
  - ii. Urbanisation (4 marks)
- c. Explain planned and unplanned nature of social change (8 Marks)

#### QUESTION FOUR

- a. According to Risk Maurer, identify three (3) levels of resistance and different anti-tactics with the corresponding tactics for each level by completing the table below (9 Marks)

Level	Level Name	Anti-tactics	Tactics
Level 1			
Level 2			
Level 3			

- b. Stabilizing food production and regular market supplies is a desirable influence of technological change on Nigerian agriculture. Substantiate this statement (7 Marks).
- c. In two (2) general ways, explain how extension must recognize the attitudes about its work and activities (7 Marks)