



MAASAI MARA UNIVERSITY
REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCES,
ENVIRONMENTAL STUDIES AND AGRICULTURE
BACHELOR OF URBAN AND REGIONAL PLANNING**

COURSE CODE: URP 4248-1

**COURSE TITLE: SPATIAL ORGANIZATION IN
PLANNING**

DATE: 22/4/24

TIME: 0230-0430HRS

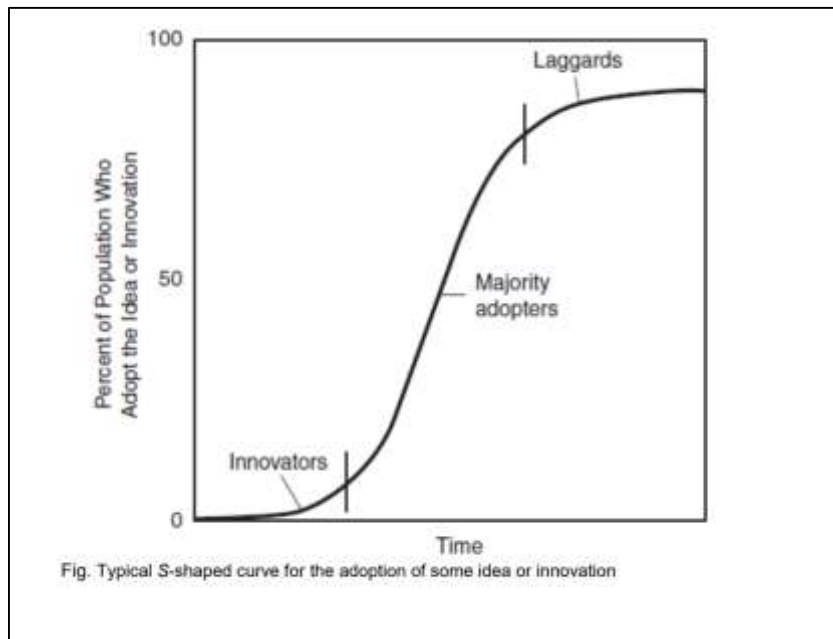
INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in Section A and any other **THREE** questions from Section B

SECTION A: ANSWER ALL QUESTIONS (20 Marks)

1. Explain the following terms as used in spatial organization:
 - a. 'Material index' **(2Mark)**
 - b. Agglomeration process **(2Mark)**
 - c. 'Basic (or non-local) and 'non-basic (or local) sectors' of a local economy. **(2Mark)**
 - d. The Location Quotient Technique **(2Mark)**
 - e. Site and situation **(2Marks)**
 - f. Back-wash and spread effects. **(4Marks)**

2. With reference to spatial diffusion and using relevant examples, evaluate the adoption of phenomena using the S-shaped curve below: **(6Marks)**



SECTION B: ANSWER ANY THREE QUESTIONS (30Marks)

3. Discuss practical applications of Von Thünen's model in optimizing crop selection, land management practices, and agricultural intensification strategies. **(10Marks)**
4. Evaluate the role of central place theory in optimizing the distribution of public services and amenities to ensure equitable access to diverse communities. **(10Marks)**
5. Discuss case studies in which core-periphery dynamics have contributed to the concentration of economic activities, infrastructure investments, and public services in core regions at the expense of peripheral areas. **(10Marks)**
6. Using examples in spatial organization of urban and regional planning, consider spatial diffusion typologies. **(10marks)**

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