



The Papua new Guinea University of Technology

AGRICULTURE DEPARTMENT

SECOND SEMESTER FINAL EXAMINATION 2020

AG125 RURAL SOCIOLOGY AND COMMUNITY
DEVELOPMENT

TIME ALLOWED: 3 HOURS

INFORMATION FOR CANDIDATES

1. You have 10 minutes to read the paper. You must not begin writing during this time.
2. Read the questions carefully.
3. **ALL** answers must be written in the book provided. No other written materials will be required.
4. Ruler and correctional fluid are required in the examination room. Mobile phone, notes, textbooks are not allowed.
5. Write your name and student number clearly on the front page of your answer booklet and examination attendance slip. **DO IT NOW.**
6. The marks of each question are given at the end of question.
7. Maximum marks = **50**.

PART A: MULTIPLE CHOICE [5 marks]

Instruction: Circle the correct answer(s) of your choices.

Question 1:

What is one of the major forms of social stratification?

- a) Values b) Caste system c) Culture d) Demography

Question 2:

What factors causing the division of people into groups and societies?

- a) Gender and Kinship b) Politics and Age c) Geography and Education
d) Safety and Cultures

Question 3:

What are some of the elements of a culture?

- a) Symbols b) Language c) Values d) All of them

Question 4:

What is one of the major elements of culture?

- a) Tradition b) Family c) Income d) Language

Question 5:

What is driven by internal rewards?

- a) Intrinsic motivation b) Determination c) External motivation d) Internal desire

PART B: SHORT ANSWERS [25 marks]

Instruction: Answer all the questions. The answers must be written down on the answer sheet provided.

Question 6:

Discuss in detail the adoption categories with examples. [10 marks]

Question 7:

Explain in detail the ten (10) Principles of leadership. [10 marks]

Question 8:

List down any five (5) pitfalls that communities need to avoid. [5 marks]

PART C: CALCULATIONS OF PROBLEM CONFRONTATION INDEX [20

marks]

Instruction: Below is a brief description of the research on problem confronted by the fish farmers in practicing semi-intensive climbing perch (*Anabus testubineus*) farming conducted by Islam, A. B. M., Farouque, M., & Roy, D. (2013). Read the description and answer the following questions.

Question 9:

Calculate the Problem Confrontation Index (PCI) of each item of problems and interpret the results in the table. [15 marks]

Question 10:

Describe the two top problems with the highest PCI and the two lowest problems with low PCI. [5 marks]

Climbing Perch is one of the most important aquaculture fish species for its production and popularity among the people in Bangladesh. The study was conducted to identify and describe the problem confronted by the fish farmers regarding the practice of semi-intensive climbing perch farming; to describe the selected characteristics of the fish farmers; to explore the relationships of the selected characteristics of the fish farmers with their problem confrontation. Data were collected from 105 farmers from Mymensingh district in Bangladesh during the period of March to April 2011. The personal interview method was used to collect data from farmers. To measure each of the items in rank order, Problem Confrontation Index (PCI) was computed as used by Hossain and Miah (2011).

The researcher used a 4-point rating scale for measuring problem confrontation score. The farmers were asked to give their responses against 12 selected problematic items which they confronted for climbing perch farming. The weights assigned for each response were: 3 for high problem confrontation, 2 for medium problem confrontation, 1 for low problem confrontation and 0 for no problem confrontation.

Items of Problems	High	Medium	Low	Not at all
1.Lack of knowledge in climbing perch farming	9	70	17	4
2.Lack of technologies for management practices	11	69	16	4
3.Disease problem in climbing perch	30	60	10	0
4.Production cost high compared to low profit	53	40	2	5
5.Lack of quality fingerlings	58	34	6	2
6.Lack of investment in climbing perch farming	55	40	2	5
7.High price of farm labour	63	35	1	1
8.A high density of climbing perch	73	22	4	1
9.High price of chemicals and drugs for disease control	70	30	0	0
10.High price of fish feed	82	18	0	0
11.Low market price of climbing perch	94	1	5	0
12. Lack of marketing facilities	92	6	2	0

