

ARUNACHAL PRADESH PUBLIC SERVICE COMMISSION

AGRICULTURE PAPER - I

Time: 3 (Three) hours

Full marks: 100

*(Group - A is compulsory. Attempt any FOUR questions from Group - B).*

GROUP - A

*(This Group is COMPULSORY)*

Q. 1. Attempt any 10 (ten)

10x2=20

- a. What do you mean by sustainable management of natural resources?
- b. How does acid rainfall affect agricultural production?
- c. Explain what is meant by "Cropping pattern" ?
- d. What are the merits of Mixed farming?
- e. Define soil fertility and soil health.
- f. What are the different types of nitrogenous fertilizers?
- g. Write a note on regulated market.
- h. Distinguish between fixed cost and variable cost.
- i. Distinguish between bulk density and particle density.
- j. What are the advantages of inter-cropping?
- k. What is farm layout? How it is helpful in Farm management?
- l. What do you mean by cropping intensity?

GROUP - B

*(Answer any Four.)*

Q.2. Answer any 8 (eight) of the following questions.

2.5x8=20

- a) Explain what do you mean by Market Integration.
- b) Distinguish between Grading and standardization.
- c) What is climate resilient agriculture?
- d) What do you understand by training in relevance to Extension workers?
- e) What are method demonstration and result demonstration? Explain.
- f) Write a short note on soil nitrogen loss through denitrification.
- g) What is monitoring?
- h) What do you mean by rehabilitation of degraded areas?
- i) Write a brief note on water harvesting and conservation.
- j) Write briefly the significance of Social forestry programme.

Q.3. Answer any 5 (five) of the following questions.

4x5=20

- a) Briefly discuss the different categories of adopter farmers?
- b) Distinguish between marketable and marketed surplus.
- c) What should be the desirable characteristics of a green manuring crop?
- d) What are the major pollutants that lead to global warming? Discuss.
- e) What are the adverse effects of acid soils on plant growth?

