AB/M-0:-

AGRICULTURE

2.00%

FIRST PAPER

Full Marks: 200

Time: 3 hours

The figures in the margin indicate full most is for the questions

- 1. Write in details about the package of practices of rice cultivation.
- 2. What are the major soil fertility problems of Assem and how do you manage the problems for increasing crop production? 10+10=20
- 3 Distinguish between market and marketing. Write briefly about the price spread analysis. Suggest some measures to remove the problems of traditional marketing system. 4#6-10=20
- 4. What do you understand by Ecological agriculture? Discuss the current developments in low-input sustainable agriculture bringing out the concepts and methodologies used with suitable examples.

5+5+10=20

(Turn Guer)

2/18-300/3

- 5. What is inflation? Can there be an inflation without rise in price? Explain the anti-inflationary policy measures best suited at present for the Indian economy. 2+2+6=10
- 6. Emphasize the importance of social forestry in maintaining the ecological balance. How does farm forestry differ from social forestry? Suggest a suitable scheme for establishment of farm forestry for high rainfall areas of Assam.
  8+4+8=20
- 7. Write short notes on (any five)

2×5=10

- (a) Mycorrhizae
- (b) Phosphate solubilizing bacteria
- (c) Biodegradation of agrochemicals
- (d) Organometallic complexes
- (a) Biofertilizers
- (f) iron toxicity to plants
- That strategies you consider suitable for su

2 4 2-30319

(Continued)

| . 9 | . W                          | rite short notes on (any four): 21/2×   | 4=10 |
|-----|------------------------------|---|------|
| 1   | (a)                          | Relay and intercropping   |      |
| •   | -(b)                         | Oil seed production scenario in Assam   |      |
|     | (c)                          | Biological control of weed  |      |
|     | (d)                          | Biological nitrogen fixation in agriculture   |      |
|     | (e)                          | Watershed management  |      |
|     | (f)                          | Soil drainage   |      |
|     | (g)                          | Shifting agriculture  |      |
| 10. | fore<br>Indi<br>reci<br>fore | at are the causes of disappearance of st areas in North-Eastern Region of ia? Can you relate deforestation and arrence of flood in Assam? How can the st degradation be arrested and the raded forest be revegetated? |      |
| 1,  | (a)                          | What are audio-visual aids? What roje audio-visual aids play in dissemination of agro-technology to farmers? Describe in brief.   | 10   |
|     | (b)                          | What are the steps involved in developing an extension programme? Describe the steps with the help of a suitable example.   | 10   |

12. What are the different constituents of soil related to soil fertility? Explain the role of these constituents in maintaining soil productivity.

5+15-20

comments or

Write an essay on agriculture as a business venture for the educated unemployed youth of Assam.

00

\* \* \*

2/18—300**/3** 

AB/M=02=EM=1