



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

Major Part-III Examinations 2020

3rd Year

Subject: AGRO SERVICE

Paper: VII

Full Marks: 100

Time: 4 Hours

*Candidates are required to give their answer in their own words as far as practicable.
Questions are of equal value.*

Answer any **one question** [within 250 words] from each Unit.

Unit I

1. Describe any three hand tools commonly used by the farmers during cultivation process.
2. What is plough? What are the basic objectives of ploughing? Describe the function of Mould board plough.
3. Define irrigation. Discuss in detail the basic principles of irrigation.
4. Write down the working functions of a paddy thresher.
5. Describe the function of a seed drill. Write down the various parts of seed drill. How is the calibration of a seed drill done?



6. Write down the advantages and disadvantages of petrol engines. Distinguish between Mould Board plough, Disc plough and Country plough.
7. Discuss different types of harvesting equipments. Give detail of a potato harvester.
8. Write down ignition system of a petrol engine.
9. Write short note about a chaff cutter.

Unit II

1. Define 'insect' and 'insecticides'. Give a brief account on insecticide classification based on their use and toxicity. Mention the uses of insecticides in crops.
2. Write down the name and chemical structure of two chlorinated pesticides. Why organochlorine pesticides mostly banned in our country?
3. Give some examples of Cu and S based fungicides. Describe the method of preparation of Bordeaux mixture.
4. Discuss on contact & systematic insecticides and preventive & curative fungicides.
5. Write down the active pesticides chemicals present in neem and tobacco. Write down the method of preparation of neem leaf extract and neem seed kernel suspension.
6. What do you mean by IPM? Discuss in detail the role of IPM in agriculture for control of insect and pest.
7. What do you mean by weedicides? Critically discuss importance and role of weedicides in crops.
8. Write short notes on rodenticide and kerosene emulsion
9. Write short notes on nematicides and antibiotics.
10. Discuss organochloride group of pesticides with their mode of application, formulation and trade names.