

## PLANT PROTECTION (351)

The institution having the following requisite infrastructure, may apply for accreditation:

**A. Class Room:**

Class room for 30 students (minimum area 250 sq. ft.) should have proper ventilation, well-illuminated black board/white board and availability of adequate furniture and ceiling fans.

**B. Workshop:**

The size of workshop for 30 students should be at least 25ft. x 20 ft. with adequate lighting and exhaust & ceiling fans. The workshop should have the following Tool/ Equipments/Apparatus or material for Practical Training:

### List of Tools and Equipments

Item	Quantity	Item	Quantity
Autoclave/pressure cooker	2	Bavistin (fungicide)	As per needed
Refrigerator	1	Dithane z - 78/Nuvan	
Gas stove	1	Formalin	100ml
Chaff cutter	2	Hydrochloric acid(0.1 N)	5lt
Sprayer	1	Malathion	5lt
Ultraviolet lamp	5	Dichlorovos	As per need
Thermometer	5	Agar Agar	250gm
Auto clavable polyethylene bags		Glucose	500gms
Inoculation needle	15	Media : Potato dextrose	
Paddy straw/wheat straw	As needed	Agar or oat meal agar - to be prepared	
Cotton waste/hulled		<b>Glassware</b>	
Universal pH indicator	10strips	Conical flasks/milk bottles (500/100)	10
<b>Raw Material (consumables)</b>		Glass slides	1 pkt.
Calcium carbonate	250gm	Beaker (1litre)	5
Potassium permanganate	500gms	Petridish - 90mm	5
Sodium hypo chlorite (2%)	1lt.	Test tube	20
Mother culture of mushroom	20 bottles	Glass funnel	20
Sorghum grains	As per need	Maize cobs	As per need

**C. Physical Facilities:** The institution should have the facilities for Drinking water, Bathrooms & Toilets.

**D. Library:** Library should have a utility books/articles/magazines in related subject.

**E. Faculty & Supporting Staff:**

<b>Faculty &amp; Supporting Staff</b>	<b>Educational/Professional Qualification</b>	<b>No.</b>
Coordinator	Graduate	01
Instructor	B.Sc. - Agri. from recognized University with 2 years experience	02
Lab incharge/lab Assist.	10 <sup>th</sup> class pass preferably locally trained person	01
Receptionist cum clerk	Relevant to job	01
Assistant	Relevant to job	

**F. Batch size - Maximum 30 students in one batch.**

**Note :** Institution can run maximum 2 batches of this course