

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.**

**FACULTY OF SCIENCE**

B.Sc. I Year, Practical Examination

**DRYLAND AGRICULTURE**

**PAPER - III**

**(Dryland Agriculture Technology)**

Time : 4 Hours

Centre :

Batch No.-

Marks - 100

Date - / /20

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**Note :** Draw neat and well labelled diagramms wherever necessary.

Q.1	Identify, describe the given plant species. (Any Four)	20
Q.2	Identify, describe the given vegetation species. (Any Four)	20
Q.3	Describe methods of application of fertilizers.	20
Q.4	Describe methods of weed controll.	20
Q.5	Submission.	
	a) Record Book	10
	b) Visit report	05
	c) Viva	05

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**DRYLAND AGRICULTURE**

**PAPER - IV**

**(Climate & Vegetation Resources)**

Time : 4 Hours

Marks - 100

Centre :

Date - / /20

Batch No.-

**Note :** Draw neat and well labelled diagrams wherever necessary.

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|-----|---|----|
| Q.1 | Describe the structure & functions of meteorological equipments (Any Two)     | 20 |
| Q.2 | Explain in detail the structure & function of maximum & minimum thermometers. | 20 |
| Q.3 | Describe in brief the working of anemometer.                                  | 10 |
| Q.4 | Give the working of self recording rain gauge.                                | 10 |
| Q.5 | Record one month rainfall data.   | 15 |
| Q.6 | Submission.   |    |
|     | a) Record Book  | 10 |
|     | b) IMD Visit Report   | 10 |
|     | c) Viva voce  | 05 |

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B.Sc. II Year, Practical Examination

**DRYLAND AGRICULTURE**

**PAPER - VII**

**(Soil Conservation)**

Time : 4 Hours

Marks - 100

Centre :

Date - / /20

Batch No.-

**Note :** Draw neat and well labelled diagrams wherever necessary.

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|-----|--|----|
| Q.1 | Write in detail on given field operations (Any Two)          | 20 |
| Q.2 | Write procedure of gravimetric measurement of soil moisture. | 20 |
| Q.3 | Explain soil profile with diagram.                           | 20 |
| Q.4 | Detect N.P.K. of the given soil sample.                      | 20 |
| Q.5 | Submission.  |    |
|     | a) Record Book   | 10 |
|     | b) Excursion report  | 05 |
|     | c) Viva  | 05 |

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**DRYLAND AGRICULTURE**

**PAPER - VIII**

**(Rain Water Management)**

Time : 4 Hours

Marks - 100

Centre :

Date - / /20

Batch No.-

**Note :** Draw neat and well labelled diagrams wherever necessary.

Q.1 Explain in detail design criteria of different soil conservation structures. 20

Q.2 Write in detail about preparation of model watershed plan.

OR

Explain design for storage structure at appropriate sites. 20

Q.3 Explain measures for in-situ soil and moisture conservation.

OR

Give an account of planning and development of watershed. 20

Q.4 What is drainage ? Describe in detail about surface drainage. 20

Q.5 Submission.

a) Record Book 10

b) Excursion report 05

c) Viva 05

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**DRYLAND AGRICULTURE**

**PAPER - XI**

**(Crop Management)**

Time : 4 Hours

Marks - 100

Centre :

Date - / /20

Batch No.-

**Note :** Draw neat and well labelled diagrams wherever necessary.

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|-----|---|----|
| Q.1 | Give the method of controlling of pest / diseases of given crops (Any Four) | 20 |
| Q.2 | Identify & comment on given breeds of cattle / Sheep (Any Four)             | 20 |
| Q.3 | Comment briefly on tillage implements (Any Four)                            | 20 |
| Q.4 | Describe sprinkler / drip systems of irrigation with its advantage.         | 20 |
| Q.5 | Submission.   |    |
|     | a) Record Book  | 10 |
|     | b) Visit Report   | 05 |
|     | c) Viva   | 05 |

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**DRYLAND AGRICULTURE**

**PAPER - XII**

**(Transfer Technology)**

Time : 4 Hours

Marks - 100

Centre :

Date - / /20

Batch No.-

**Note :** Draw neat and well labelled diagrams wherever necessary.

Q.1	Identify and comment on given kharip crops (Any Four)	20
Q.2	Identify and comment on given Rabbi crops (Any Four)	20
Q.3	Describe various methods of weeding.	20
Q.4	Give an account of methods of fertilizer application.	20
Q.5	Submission.	
	a) Record Book	10
	b) Visit Report	05
	c) Viva	05

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