

Medi-Caps University, Indore								
Faculty of Agriculture								
Model New Scheme as per Medi-Caps University (Session – 2021-2022)								
w.e.f. 25.02.2025								
First Year (ODD Semester - I Sem)								
Sr. No.	Subject Code	Courses	L	T	P	P	Credit	
1	AG3CO01	Fundamentals of Horticulture	1	0	1	2	2	
2	AG3CO02	Fundamentals of Plant Biochemistry and Biotechnology	2	0	1	2	3	
3	AG3CO03	Fundamentals of Soil Science	2	0	1	2	3	
4	AG3CO04	Introduction to Forestry	1	0	1	2	2	
5	AG3CO05	Fundamentals of Agronomy	3	0	1	2	4	
6	AG3CO06	Rural Sociology & Educational Psychology	2	0	0	0	2	
7	AG3SE01	Comprehension & Communication Skills in English	1	0	1	2	2	
8	AG3RC01	Introductory Biology	1	0	1	2	2	
9	AG3RC02	Elementary Mathematics	2	0	0	0	2	
10	AG3RC03	Agricultural Heritage	1	0	0	0	1	
		<b>Total</b>	<b>16</b>	<b>0</b>	<b>7</b>	<b>14</b>	<b>23</b>	
First Year (Even Semester - II Sem)								
Sr. No.	Subject Code	Courses	L	T	P		Credit	
1	AG3CO07	Fundamentals of Genetics	2	0	1	2	3	
2	AG3CO08	Agricultural Microbiology	1	0	1	2	2	
3	AG3CO09	Soil and Water Conservation Engineering	1	0	1	2	2	
4	AG3CO10	Fundamentals of Crop Physiology	1	0	1	2	2	
5	AG3CO11 - Fundamentals of Agricultural Economics	Fundamentals of Agricultural Economics	2	0	0	0	2	
6	AG3CO12	Fundamentals of Plant Pathology	3	0	1	2	4	
7	AG3CO13	Fundamentals of Entomology	3	0	1	2	4	
8	AG3CO14	Fundamentals of Agricultural Extension Education	2	0	1	2	3	
9	AG3SE02	Communication Skills and Personality Development	1	0	1	2	2	
10	AG3NG01	Human Values & Ethics (Q)	1	0	0	0	1	
		<b>Total</b>	<b>17</b>	<b>0</b>	<b>8</b>	<b>16</b>	<b>25</b>	

Second Year (Odd Semester - III Sem)								
Sr. No.	Subject Code	Courses	L	T	P		Credit	
1	AG3CO16	Crop Production Technology – I (Kharif Crops)	1	0	1	2	2	
2	AG3CO17	Fundamentals of Plant Breeding	2	0	1	2	3	
3	AG3CO18	Agricultural Finance and Cooperation	2	0	1	2	3	
4	AG3CO20	Farm Machinery and Power	1	0	1	2	2	
5	AG3CO21	Production Technology for Vegetables and Spices	1	0	1	2	2	
6	AG3CO22	Environmental Studies and Disaster Management	2	0	1	2	3	
7	AG3CO23	Statistical Methods	1	0	1	2	2	
8	AG3CO24	Livestock and Poultry Management	3	0	1	2	4	
9	AG3AE13	Agri- Informatics	1	0	1	2	2	
10	AG3NG02	National Service Scheme (NSS) (Q)	0	0	2	4	2	
11	AG3NG03	National Cadet Corps (NCC) (Q)	0	0	2	4	2	
12	AG3NG04	Physical Education & Yoga Practices (Q)	0	0	2	4	2	
		<b>Total</b>	<b>14</b>	<b>0</b>	<b>11</b>	<b>30</b>	<b>25</b>	
Second Year (Even Semester - IV Sem)								
Sr. No.	Subject Code	Courses	L	T	P		Credit	
1	AG3CO25	Crop Production Technology –II (Rabi Crops)	1	0	1	2	2	
2	AG3CO26	Production Technology for Ornamental Crops, MAP and Landscaping	1	0	1	2	2	
3	AG3CO27	Renewable Energy and Green Technology	1	0	1	2	2	
4	AG3CO28	Problematic Soils and their Management	2	0	0	0	2	
5	AG3CO29	Production Technology for Fruit and Plantation Crops	1	0	1	2	2	
6	AG3CO30	Principles of Seed Technology	1	0	2	4	3	
7	AG3CO31	Farming System & Sustainable Agriculture	1	0	0	0	1	
8	AG3CO32	Agricultural Marketing Trade & Prices	2	0	1	2	3	
9	AG3CO33	Introductory Agro-meteorology & Climate Change	1	0	1	2	2	

10	AG3EL01	Agribusiness Management	2	0	1	2	3	
		<b>Total</b>	<b>13</b>	<b>0</b>	<b>9</b>	<b>18</b>	<b>22</b>	
<b>Third Year (Odd Semester - V Sem)</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Courses</b>	<b>L</b>	<b>T</b>	<b>P</b>		<b>Credit</b>	
1	AG3CO34	Principles of Integrated Pest and Disease Management	2	0	1	2	3	
2	AG3CO35	Manures, Fertilizers and Soil Fertility Management	2	0	1	2	3	
3	AG3CO36	Pests of Crops and Stored Grain and their Management	2	0	1	2	3	
4	AG3CO37	Diseases of Field and Horticultural Crops and their Management -I	2	0	1	2	3	
5	AG3CO38	Crop Improvement-I (Kharif Crops)	1	0	1	2	2	
6	AG3CO40	Geoinformatics and Nano-technology and Precision Farming	1	0	1	2	2	
7	AG3CO41	Practical Crop Production – I (Kharif crops)	0	0	2	4	2	
8	AG3CO42	Intellectual Property Rights	1	0	0	0	1	
9	AG3SE03	Entrepreneurship Development and Business Communication	1	0	1	2	2	
10	AG3EL07	Protected Cultivation	2	0	1	2	3	
		<b>Total</b>	<b>14</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>24</b>	
<b>Third Year (Even Semester - VI Sem)</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Courses</b>	<b>L</b>	<b>T</b>	<b>P</b>		<b>Credit</b>	
1	AG3CO43	Rainfed Agriculture & Watershed Management	1	0	1	2	2	
2	AG3CO44	Protected Cultivation and Secondary Agriculture	1	0	1	2	2	
3	AG3CO45	Diseases of Field and Horticultural Crops and their Management-II	2	0	1	2	3	
4	AG3CO46	Post-harvest Management and Value Addition of Fruits and Vegetables	1	0	1	2	2	
5	AG3CO47	Management of Beneficial Insects	1	0	1	2	2	
6	AG3CO48	Crop Improvement-II (Rabi crops)	1	0	1	2	2	
7	AG3CO49	Practical Crop Production –II (Rabi crops)	0	0	2	4	2	
8	AG3CO50	Principle of Organic Farming	1	0	1	2	2	
9	AG3CO51	Farm Management,	1	0	1	2	2	

		Production & Resource Economics						
10	AG3CO52	Principles of Food Science and Nutrition	2	0	0	0	2	
11	AG3EL09	Hi- tech Horticulture	2	0	1	2	3	
		<b>Total</b>	<b>13</b>	<b>0</b>	<b>11</b>	<b>22</b>	<b>24</b>	
<b>Fourth Year (Odd Semester - VII Sem) - Rural Agricultural Work Experience (RAWE) and Agro-Industrial Attachment (AIA)</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Courses</b>	<b>L</b>	<b>T</b>	<b>P</b>		<b>Credit</b>	<b>Remark</b>
1	AG3PC01	Survey of Village	0	0	1	2	1	<b>Component I</b>
2	AG3PC02	Agronomical Interventions	0	0	3	6	3	
3	AG3PC03	Fruit & Vegetable Production Interventions	0	0	3	6	3	
4	AG3PC04	Animal Production Interventions	0	0	1	2	1	
5	AG3PC05	Soil Improvement Interventions Soil Sampling and Testing	0	0	2	4	2	
6	AG3PC06	Extension and Transfer of Technology Activities	0	0	3	6	3	
7	AG3PC07	Plant Protection Interventions	0	0	2	4	2	
8	AG3PC08	Agro-Industrial Attachment (AIA) including Food Processing and Storage Interventions	0	0	5	10	5	<b>Component II</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>40</b>	<b>20</b>	
<b>Fourth Year (Even Semester - VIII Sem) - Experiential Learning Programme (ELP)/ Hands On Training (HOT)</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Courses</b>	<b>L</b>	<b>T</b>	<b>P</b>		<b>Credit</b>	<b>Remark</b>
1	AG3AE01	Production Technology for Bioagents and Biofertilizer	0	0	10	20	10	
2	AG3AE02	Seed Production and Technology	0	0	10	20	10	
3	AG3AE03	Mushroom Cultivation Technology	0	0	10	20	10	
4	AG3AE08	Floriculture and Landscaping	0	0	10	20	10	
5	AG3AE09	Food Processing	0	0	10	20	10	
6	AG3AE11	Organic Production Technology	0	0	10	20	10	
7	AG3NG05	Educational Tour (Q)	0	0	2	4	2	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>124</b>	<b>22</b>	
		<b>Grand Total</b>					<b>185</b>	