



## 7. B.Sc. (Ag) FOURTH YEAR FIRST SEMESTER (RAWE)

### 7.1 Rural Agricultural Work Experience Programme [RAWE]

Credit: 20 (0+20)

#### Theory:

Rajmata Vijayaraje Sciendia Krishi Vishwa Vidyalaya, Gwalior on the recommendation of fourth Dean's Committee (ICAR) has introduced Rural Agricultural Work Experience Programme as an essential requirement for B.Sc. (Ag.) degree. In order to make higher agricultural education relevant to present day changing needs, and develop professionalism, it was felt necessary to reorient. In view of globalization and development of new technologies, it is essential that the students meet international quality standards. One of the pillars for quality assurance in agricultural education is the curriculum, which takes care of contemporary needs, provides for analytical skill, entrepreneurship and experiential learning for having confidence to do profitable farming. In the programme students will be placed in the villages for intensive training and field experience with farm families. During stay in the villages, they will get an opportunity to study the different farm situations, farm practices adopted by the farmers, interact with the farmers to identify the problems and suggest the appropriate measures to solve them for improvement in the existing practices. Students will also develop confidence in applying the knowledge gained during the course of the studies and fine-tune their skill with the experience and knowledge of host farmers. Under this programme, RAWE model first has been adopted in the Vishwa Vidyalaya.

#### Objectives

1. To Understand of rural community life and the current situation prevailing in villages with special reference to agriculture and allied enterprises.
2. To familiarize with the socio-economic conditions of farmers and their problems with reference to agricultural development.



3. To make students understand farm technologies as adopted by farmers and also to help farmers to prepare sound farm plans matching to available resources.
4. To facilitate development of communication skill in students through use of extension teaching methods for transfer of technology.
5. To acquaint the students with the on-going extension and rural development programmes and to understand the activities of Krishi Vigyan Kendra.
6. To develop confidence and competence in students for solving teaching problems related to agriculture and allied enterprises.
7. To develop understanding regarding high-tech agricultural technology and factors affecting of modern methods of agriculture by the farmers.

The various components of RAWE programme are detailed below

S.No.	Component	Credit	Max. Marks
1	Crop Production (CPD)	0+5	20+15+10+5=50
2	Crop Protection (CPT)	0+4	20+15+10+5=50
3	Rural Economics (RECO)	0+3	20+15+10+5=50
4	Extension Programme (EXP)	0+4	20+15+10+5=50
5	Attachment to the KVK/Res. Station (CACT)	0+4	20+15+10+5=50
6	Comprehensive Report and Viva - voce (FCR)		50
	<b>Total</b>	<b>0+20</b>	<b>300</b>

Thus, a student registered for RAWE will have to obtain atleast 150 marks to pass RAWE; OGPA will be worked out following the prescribed procedures. In case a student failed to secure the required marks will have to repeat the programme at his own cost.

**7.1.1 Crop Production: [RAW 401]****5(0+5)****Theory:**

The students shall involve themselves in actual day-to-day agricultural operations along with their host farmers. He/She will also involve in production technology and management of various crops. The students shall maintain a record of work done in prescribed proforma. In fruit and vegetables crops, the students shall involve themselves in field operations viz., seed bed preparation, nursery management, propagation etc. along with their host farmers. The students shall maintain a record of work done and will submit it at the end of the semester.

**7.1.2 Crop Protection: [RAW 402]****4(0+4)****Theory:**

Under this, the students are exposed to various plant and soil disorders and learn to diagnose major plant diseases, insect-pests and nutrient deficiency, soil related constrains, physiological disorders and preserved remedial measures.

**7.1.3 Rural Economics: [RAW 403]****3(0+3)****Theory:**

The students shall take-up a techno-economic survey of village as per the prescribed questionnaires. The students shall be required to collect the data on economic condition of village, resource endowment and its utilization, problems of labour and employment and other important economic aspects detailed in the schedule. The student shall also conduct a farm survey and workout the cost of cultivation of principal crops grown on the farm allotted to them. He/She will also maintain a farm record book and analyze the data. On the basis of results students will formulate a number of alternative plans in consultation with the farmers and the advisor for reorganization of the farm business for optimal net returns.

**7.1.4 Extension Programme: [RAW 404]****4(0+4)**

The student shall involve themselves in the following extension education programmes:



1. Identification of agricultural problems of the village and training needs of the farmers.
2. Conducting method demonstrations of improved practices.
3. Organization of short duration farmers training, campus, field visits and agricultural exhibitions.
4. Study of the on-going extension programmes in the villages.
5. Arrange farmers meeting to discuss agricultural aspects.
6. Visit to village institutions and study their role in development programmes and extension activities.
7. Documentation of success stories.

Each student will prepare a report with respect to the activities indicated above and submit it to be the Chairman of Advisory Committee for its evaluation.

The students shall be given an opportunity to acquaint themselves with on-going programmes and activities of research, development, marketing, extension agencies and organizations in the village. The students will submit report on the institutions he/she has visited.

#### **7.1.5 Attachment to the KVK/Res.Station: [RAW 405]**

**4(0+4)**

##### **Theory:**

During the stay under RAWE program, Student will conduct the bench mark survey & PRA of KVK villages. Assisting in conducting FLD, Organizing Farmers meeting, Kishan Mela, Exhibition, monthly workshop. Assisting in organizing Field visit, Training programme for farmers, farm women, study of crop cafeteria, visit of Line department viz., Agriculture, Horticulture, Dairy, Poultry etc. To enquire about farmers welfare about respective department & visit of digonstic team.

#### **7.1.6 Comprehensive Report and Viva -voce [VAV 401]**

**(NC)**