

Diploma in Watershed Management
Counseling Schedule for the DWM Programme, 2017-18 Session

KVK, Shikohpur (38022-P)

(THEORY)

(Duration: 2 hours / session)

Sl. No.	Date	Day	Timing	Session	Course Code and Title	Counselor	Venue
1	08.01.2018	Monday	2:00PM to 5:00PM	1	Orientation Programme	Dr. RN Sharma	<u>KVK, Shikohpur</u>
2	03.03.2018	Sunday	10:00AM- 2:00PM	2	Course – I (BNRI-101) Introduction, concept, Scope and Importance of Watershed Management	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
3				3	Course – I (BNRI-101) Design of Watershed Projects, Operational Guidelines, Indicators of Success and Community Organization	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
4				4	Course – I (BNRI-101) Watershed Management Activities	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
5	10.03.2018	Sunday	10:00AM- 2:00PM	5	Course – II (BNRI-102) Introduction to Hydrology and Water Balance	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
6				6	Course – II (BNRI-102) Flow through open channels/ pipes and Instrumentation	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
7	17.03.2018	Sunday	10:00AM- 2:00PM	7	Course – III (BNRI-103) Water and wind Erosion	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
8				8	Course – III (BNRI-103) Arable and non-arable Lands	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
9				9	Course – III (BNRI-103) Water harvesting and artificial groundwater recharge	Dr. Mukesh Kumar/ Dr A.K. Mishra	<u>KVK, Shikohpur</u>
10	24.03.2018	Sunday	10:00AM- 2:00PM	10	Course – IV (BNRI-104) Definition and concepts of rainfed farming. Rainfall characteristics and weather forecasting and Farming systems	Dr. Pargat Singh/ Sh. Ramsewak	<u>KVK, Shikohpur</u>
11				11	Course – IV (BNRI-104) Integrated nutrient management and Integrated pest management	Dr. Pargat Singh/ Sh. Ramsewak	<u>KVK, Shikohpur</u>
12				12	Course – IV (BNRI-104) Indigenous technological knowledge (ITK) for water conservation, Crop	Dr. Pargat Singh/ Sh. Ramsewak	<u>KVK, Shikohpur</u>

					management for water efficiency and Water harvesting systems		
13	01.04.2018	Sunday	10:00AM- 2:00PM	13	Course – V (BNRI-105) Importance and Scope of Animal Husbandry in Watershed and Management of Farm Animal	Dr. R.N. Sharma	<u>KVK, Shikohpur</u>
14				14	Course – V (BNRI-105) Animal Reproduction, Health and Nutrition	Dr. R.N. Sharma	<u>KVK, Shikohpur</u>
15				15	Course – V (BNRI-105) Fodder Production, Feed Processing and Fodder Conservation and Grassland and Pasture Management	Dr. R.N. Sharma	<u>KVK, Shikohpur</u>
16	08.04.2018	Sunday	10:00AM- 2:00PM	19	Course – VI (BNRI-106) Agroforestry systems, management and Survey and documentation of existing practices	Sh. Bharat Singh	<u>KVK, Shikohpur</u>
17				20	Course – VI (BNRI-106) Planting of Fruit and Vegetable Crops, Fruits and Vegetable Production and Pests and Disease Management	Sh. Bharat Singh	<u>KVK, Shikohpur</u>
18	14.04.2018	Saturday		21	Course – VI (BNRI-106) Preservation of Horticulture Produce and Marketing of Fresh Products	Dr. Kavita Bisht	<u>KVK, Shikohpur</u>
19				22	Course – VI (BNRI-106) Medicinal and Aromatic Plants	Dr. Kavita Bisht	<u>KVK, Shikohpur</u>
20	15.04.2018	Sunday	10:00AM- 2:00PM	16	Course – VII (BNRI-107) Funding arrangements and release of funds, Management of watershed development funds and micro-finance	Sh. Ramsewak	<u>KVK, Shikohpur</u>
21				17	Course – VII (BNRI-107) Monitoring and Evaluation. Capacity building and training requirement	Sh. Ramsewak	<u>KVK, Shikohpur</u>
22				18	Course – VII (BNRI-107) Extension techniques and Communication skills	Sh. Ramsewak	<u>KVK, Shikohpur</u>
23			12:15PM-2:15PM	23	Final Revision		<u>KVK, Shikohpur</u>
24			2:30PM-4:30PM	24	Concluding to the programme		<u>KVK, Shikohpur</u>

Counseling Schedule for the DWM Programme, 2017-18

(PRACTICAL)

(Duration 4hrs / session)

A. Guided Practical

Session (1)	Date (2)	Day (3)	Timing (4)	Course Code and Title (5)	Sl. No. of the Experiments and Name (6)	Counselor (7)	Venue		
1 & 2	08.07.2018	Sunday	9.00 AM–5.00 PM	Course – I (BNRI-101) Fundamentals of Watershed Management	1. Watershed Characterization by Using Topographic Map	Dr A.K. Mishra			
3 & 4					2. Visual Interpretation of Satellite Imagery				
5 & 6	14.07.2018	Saturday	9.00 AM–5.00 PM		3. Spatial Database Handling in GIS Environment	Dr A.K. Mishra			
7 & 8					4. Delineation of Watersheds				
9 & 10					5. Watershed Prioritization for Arresting the Land Degradation				
11, 12 & 13	15.07.2018	Sunday	9.00 AM–5.00 PM		Course – II (BNRI-102) Elements of Hydrology	6. Preparation of Land Capability Class Map	Dr A.K. Mishra		
14, 15 & 16						7. PRA Exercises			
17 & 18				1. Rainfall measurement		Dr A.K. Mishra			
				2. Computation of average rainfall for watersheds – Thiessen's polygon					
				3. Computation of rainfall intensities for different durations					
4. Peak runoff rate computations by Rational method	Dr A.K. Mishra								
5. Measurement of Infiltration Rate									
6. Computation of Flow Rate by Float Method	Dr A.K. Mishra								
7. Computation of Flow Rate in Irrigation Channel by Manning's Formula									
8. Computation of flow rate passing through V-notch and rectangular weir	Dr A.K. Mishra								
9. Measurement of Ground Water Level									
10. Measurement of Hydraulic Conductivity by Augur Hole Method									

19 & 20	29.07.2018	Sunday	9.00 AM–5.00 PM	Course – III (BNRI-103) Soil and Water Conservation	1. Measurement of Land Slope 2. Work Out the Depth of Soil	Dr A.K. Mishra	
21 & 22					3. Soil Classification based on Soil Texture 4. Determination of Watershed Characteristics using Topographic Map	Dr A.K. Mishra	
23 & 24	05.08.2018	Sunday	9.00 AM–5.00 PM		5. Layout of Contours, Cross-section and Longitudinal Section of a Stream with hand level 6. Design of an Embankment Type Farm Pond	Dr A.K. Mishra	
25 & 26					7. Design of a Dugout Type Farm Pond 8. Rooftop Water Harvesting	Dr A.K. Mishra	
27 & 28					9. Field visit for study soil conservation works	Dr A.K. Mishra	
29 & 30	20.05.2018	Sunday	10.00 AM–5.00 PM		Course – IV (BNRI-104) Rainfed Farming	1. Determination of Soil Texture 2. Soil-moisture at Field Capacity and Wilting Point and Available Water Holding Capacity	Dr. Pargat Singh
31 & 32				3. Bulk Density of Soil 4. Pan Evaporation 5. Storage Capacity of Water Storage Structures		Dr. Pargat Singh	
33 & 34	27.05.2018	Sunday	10.00 AM–5.00 PM	6. Estimation of Potential Crop Water Requirement for Different Crops 7. Irrigation Scheduling 8. Sprinkler and drip Irrigation System		Sh. Ramsewak	
35 & 36				9. Irrigation Pumps 10. Visit to a Agricultural Meteorological Observatory			
37 & 38	01.07.2018	Sunday	10.00 AM–4.00 PM	11. Mould Board Plough 12. Disc Harrow 13. Rotavator 14. Cultivator 15. Leveler 16. Bund/Trench Former and Post Hole Digger 17. Seed Cum Fertilizer Drill		Sh. Ramsewak	
39 & 40	29.04.2018	Saturday	9.00 AM–5.00 PM	Course – V (BNRI-105) Livesto		1. Approaching, Handling and Restraining of Cattle 2. Body Points of Farm Animals 3. Methods of Identification of Farm Animals	Dr. R.N. Sharma

41 & 42					4. Estimation of Body Weight of Cattle by Formula Method 5. Determination of Age of an Animal 6. Signs of Health in Farm Animals	Dr. R.N. Sharma	
43 & 44	06.05.2018	Sunday	9.00 AM–5.00 PM		7. Signs of Oestrus in Farm Animals 8. Full-hand Milking of A Dairy Cow/Buffalo	Dr. R.N. Sharma	
45 & 46					9. Housing of Dairy Cows 10. Visit to A Livestock Farm	Dr. R.N. Sharma	
47 , 48 & 49	21.04.2018	Saturday	9.00 AM–5.00 PM	Course – VI (BNRI-106) Horticulture and Agro- Forestry Systems	1. Layout of an Orchard 2. Nursery Raising (Fruit and Vegetables) 3. Crop Water Requirements and Selection of Irrigation Methods 4. Pit Digging and Manuring	Dr. Kavita Bisht	
50, 51 & 52	22.04.2018	Sunday	9.00 AM–5.00 PM		5. Preparation of Jams 6. Preparation of Jelly 7. Preparation of Squash 8. Preparation of Pickles	Dr. Kavita Bisht	
53 & 54	12.05.2018	Saturday	9.00 AM–5.00 PM	Course – VII (BNRI-107) Funding, Monitoring, Evaluation and Capacity Building	1. Opening a Bank Account for Watershed Development Project 2. Book-Keeping and Maintenance of Accounts for Watershed Development Project	Sh. Ramsewak	
55 & 56					3. Procurement of Credits for Entrepreneurial Activities in a Watershed Area 4. Monitoring of a Watershed Development Project	Sh. Ramsewak	
57 & 58	13.05.2018	Sunday	9.00 AM–5.00 PM		5. Evaluation of a Watershed Development Project 6. Preparation of Audit Utilization Certificate	Sh. Ramsewak	
59 & 60					7. Organizing Farmer’s Day in a Watershed Area	Sh. Ramsewak	