

Diploma in Watershed Management
Tentative Counseling Schedule for the DWM Programme for 2020- 2021Session
KVK, Shikohpur (38022-P)
(THEORY)

(Total sessions: 21, Duration: 2 hours & 30 minutes/ session)

Sl. No.	Date	Day	Timing	Session	Course Code and Title	Counselor	Venue
1.	12.07.2022	Tuesday	10:00AM- 12:00Noon	1	Course – I (BNRI-101) Introduction, concept, Scope and Importance of Watershed Management Design of Watershed Projects,	Dr. A.K. Mishra	Virtual from IARI, New Delhi
2.			12:15PM-2:15PM	2	Course – I (BNRI-101) Operational Guidelines, Indicators of Success and Community Organization Watershed Management Activities	Dr. A.K. Mishra	Virtual from IARI, New Delhi
3.	13.07.2022	Wednesday	10:00AM- 12:00Noon	3	Course – II (BNRI-102) Introduction to Hydrology and Water Balance	Dr. Mukesh Kumar	SoA, IGNOU, New Delhi
4.			12:15PM-2:15PM	4	Course – II (BNRI-102) Flow through open channels/ pipes and Instrumentation	Dr. Mukesh Kumar	SoA, IGNOU, New Delhi
5.	14.07.2022	Thursday	10:00AM- 12:00Noon	5	Course – III (BNRI-103) Water and wind Erosion	Dr. A.K. Mishra	Virtual from IARI, New Delhi
6.			12:15PM-2:15PM	6	Course – III (BNRI-103) Arable and non-arable Lands Water harvesting and artificial groundwater recharge	Dr. A.K. Mishra	Virtual from IARI, New Delhi
7.	15.07.2022	Friday	10:00AM- 01:00PM	7	Course – IV (BNRI-104) Definition and concepts of rainfed farming. Rainfall characteristics and weather forecasting and Farming systems	Dr. Pargat Singh/ Sh. Ramsewak	Virtual from KVK, Gurugram
8.				8	Course – IV (BNRI-104) Integrated nutrient management and Integrated pest management	Dr. Pargat Singh/ Sh. Ramsewak	Virtual from KVK, Gurugram
9.				9	Course – IV (BNRI-104) Indigenous technological knowledge (ITK) for water conservation, Crop management for water efficiency and Water harvesting systems	Dr. Pargat Singh/ Sh. Ramsewak	Virtual from KVK, Gurugram
10	16.7.2022	Saturday	10:00AM- 12:00Noon	10	Course – V (BNRI-105)	Dr. R.N. Sharma	Virtual from

					Importance and Scope of Animal Husbandry in Watershed and Management of Farm Animal, Animal Reproduction, Health and Nutrition		KVK, Gurugram
11.			12:15PM-2:15PM	11	Course – V (BNRI-105) Fodder Production, Feed Processing and Fodder Conservation and Grassland and Pasture Management	Dr. R.N. Sharma	Virtual from KVK, Gurugram
12.	18.07.2022	Monday	10:00AM- 12:00Noon	12	Course – VI (BNRI-106) Agroforestry systems, management and Survey and documentation of existing practices (Practicals) Preservation of Horticulture Produce and Marketing of Fresh Products	Dr. Kavita Bisht/ Sh. Bharat Singh	Virtual from KVK, Gurugram
13.			12:15PM-2:15PM	13	Course – VI (BNRI-106) Planting of Fruit and Vegetable Crops, Fruits and Vegetable Production and Pests and Disease Management Medicinal and Aromatic Plants	Dr. Kavita Bisht/ Sh. Bharat Singh	Virtual from KVK, Gurugram
14.	19.07.2022	Tuesday	12:15PM-2:15PM	14	Course – VII (BNRI-107) Funding arrangements and release of funds, Management of watershed development funds and micro-finance Monitoring and Evaluation.	Sh. Ramsewak	Virtual from KVK, Gurugram
15.			2:30PM-4:30PM	15	Course – VII (BNRI-107) Capacity building and training requirement Extension techniques and Communication skills	Sh. Ramsewak	Virtual from KVK, Gurugram

Counseling Schedule for the DWM Programme for 2020- 2021 Session
(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, 3 & 4	24.07.2022	Sunday	10:00 AM–4:30 PM	Course – I (BNRI-101) Fundamentals of Watershed Management	1. Watershed Characterization by Using Topographic Map 2. Visual Interpretation of Satellite Imagery 3. Spatial Database Handling in GIS Environment 4. Delineation of Watersheds	Dr. A.K. Mishra	Virtual from IARI, New Delhi
5,6 & 7	07.08.2022	Sunday	10:00 AM–4:30 PM		5. Watershed Prioritization for Arresting the Land Degradation 6. Preparation of Land Capability Class Map 7. PRA Exercises	Dr. A.K. Mishra	Virtual from IARI, New Delhi
8, 9, 10, 11&12	14.08.2022	Sunday	10:00 AM–4:30 PM	Course – II (BNRI-102) Elements of Hydrology	1. Rainfall measurement 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 5. Measurement of Infiltration Rate	Dr. A.K. Mishra	Virtual from IARI, New Delhi
13, 14, 15 16 &17	21.08.2022	Sunday	10:00 AM–4:30 PM		6. Computation of Flow Rate by Float 7. Method Computation of Flow Rate in Irrigation Channel by Manning's Formula 8. Computation of flow rate passing through V-notch and rectangular weir 9. Measurement of Ground Water Level 10. Measurement of Hydraulic Conductivity by Augur Hole Method	Dr. A.K. Mishra	Virtual from IARI, New Delhi
18,19, 20 & 21	28.08.2022	Sunday	10:00 AM–4:30 PM	Course – III (BNRI-103) Soil and	1. Measurement of Land Slope 2. Work Out the Depth of Soil 3. Soil Classification based on Soil Texture 4. Determination of Watershed Characteristics using	Dr. A.K. Mishra	Virtual from IARI, New Delhi

					Topographic Map		
22, 23, 24 & 25	04.09.2022	Sunday	10:00 AM–4:30 PM		5. Layout of Contours, Cross-section and Longitudinal Section of a Stream with hand level 6. Design of an Embankment Type Farm Pond 7. Design of a Dugout Type Farm Pond 8. Rooftop Water Harvesting	Dr. A.K. Mishra	Virtual from IARI, New Delhi
26, 27, 28, 29 & 30	10.09.2022	Saturday	10:00 AM–4:30 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 3. Bulk Density of Soil 4. Pan Evaporation 5. Storage Capacity of Water Storage Structures	Dr. Pargat Singh/ Sh. Ramsewak	<u>Virtual from KVK, Gurugram</u>
31, 32,33 & 34	11.09.2022	Sunday	10:00 AM–4:30 PM		6. Estimation of Potential Crop Water Requirement for Different Crops 7. Irrigation Scheduling 8. Sprinkler and drip Irrigation System 9. Irrigation Pumps	Dr. Pargat Singh/ Sh. Ramsewak	<u>Virtual from KVK, Gurugram</u>
35, 36, 37, 38, 39, 40 &41	17.09.2022	Saturday	10:00 AM–4:30 PM		10. Mould Board Plough 11. Disc Harrow 12. Rotavator 13. Cultivator 14. Leveler 15. Bund/Trench Former and Post Hole Digger 16. Seed Cum Fertilizer Drill	Sh. Ramsewak	<u>Virtual from KVK, Gurugram</u>
41, 42, 43, 44 &45	08.10.2022	Saturday	10:00 AM–4:30 PM		Course – V (BNRI-105) Livestock and Pasture Management	1. Approaching, Handling and Restraining of Cattle 2. Body Points of Farm Animals 3. Methods of Identification of Farm Animals 4. Estimation of Body Weight of Cattle by Formula Method 5. Determination of Age of an Animal	Dr. R.N. Sharma

46, 47, 48, 49 & 50	09.10.2022	Sunday	10:00 AM–4:30 PM		6. Signs of Health in Farm Animals 7. Signs of Oestrus in Farm Animals 8. Full-hand Milking of A Dairy Cow/Buffalo 9. Housing of Dairy Cows 10. Visit to A Livestock Farm	Dr. R.N. Sharma	<u>Virtual from KVK, Gurugram</u>
51, 52, 53 & 54	18.09.2022	Sunday	10:00 AM–4:30 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	<u>Virtual from KVK, Gurugram</u>
55, 56, 57 & 58	24.09.2022	Saturday	10:00 AM–4:30 PM		5. Preparation of Jam 6. Preparation of Jelly 7. Preparation of Squash 8. Preparation of Pickles	Dr. Kavita Bisht	<u>Virtual from KVK, Gurugram</u>
59, 60, 61 & 62	25.09.2022	Sunday	10:00 AM–4:30 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 3. Procurement of Credits for Entrepreneurial Activities in a Watershed Area 4. Monitoring of a Watershed Development Project	Sh. Ramsewak	<u>Virtual from KVK, Gurugram</u>
63, 64 & 65	01.10.2022	Saturday	10:00 AM–4:30 PM		5. Evaluation of a Watershed Development Project 6. Preparation of Audit Utilization 7. Certificate Organizing Farmer’s Day in a Watershed Area	Sh. Ramsewak	<u>Virtual from KVK, Gurugram</u>
DPR	15.10.2022	Saturday	10:00 AM–4:30 PM	BNRP-108		Dr. A.K. Mishra	<u>Virtual from KVK, IARI, New Delhi</u>