

Diploma in Watershed Management

Tentative Practical Counseling Schedule for the DWM Programme for 2023-24 Session

KVK, Shikohpur (38022-P)

(PRACTICAL SESSIONS)

(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	04-06-2023	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	IARI, New Delhi
5,6 & 7	11-06-2023	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	IARI, New Delhi
8, 9, 10, 11&12	18-06-2023	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	IARI, New Delhi

13, 14, 15 16 & 17	25-06-2023	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	IARI, New Delhi
18,19, 20 & 21	02-07-2023	Sunday	10:00 AM– 4:30 PM	Course – III (BNRI-103) Soil and Water Conservation	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 Topographic Map	Dr. A.K. Mishra	IARI, New Delhi
22, 23, 24 & 25	09-07-2023	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	IARI, New Delhi
26, 27, 28, 29 & 30	16-07-2023	Sunday	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>KVK, Gurugram</u>
31, 32,33 & 34	23-07-2023	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>KVK, Gurugram</u>
35, 36, 37, 38, 39, 40 & 41	30-07-2023	Sunday	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	Sh. Ramsewak	<u>KVK, Gurugram</u>

					16. Seed Cum Fertilizer Drill		
41, 42, 43, 44 & 45	06-08-2023	Sunday	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	Prof. P. Vijayakumar	KVK, Gurugram
46, 47, 48, 49 & 50	06-08-2023	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	Prof. P. Vijayakumar	KVK, Gurugram
51, 52, 53 & 54	20-08-2023	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/ Sh. Bharat Singh	KVK, Gurugram
55, 56, 57 & 58	03-09-2023	Sunday	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/ Sh. Bharat Singh	KVK, Gurugram
59, 60, 61 & 62	10-09.2022	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. Ram sewak	KVK, Gurugram
63, 64 & 65	17-09-2023	Sunday	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. Ram sewak	KVK, Gurugram

DPR	24-09-2023	Sunday	10:00 AM– 4:30 PM	BNRP-108		Dr. A.K. Mishra	IARI, New Delhi
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A. Unguided Practical (Practical exam)

Date (1)	Day (2)	Timing (3)	Course Code and Title (4)	Counselor (5)	Venue
08-10-2023	Sunday	10:00 AM– 4:00 PM	BNRI-101	Dr. A.K. Mishra	IARI, New Delhi
15-10-2023	Sunday	10:00 AM– 4:00 PM	BNRI-102	Dr. A.K. Mishra	IARI, New Delhi
22-10-2023	Sunday	10:00 AM– 4:00 PM	BNRI-103	Dr. A.K. Mishra	IARI, New Delhi
29-10-2023	Sunday	10:00 AM– 4:00 PM	BNRI-104	Sh. Ram Sewak	KVK, Shikohpur
05-11-2023	Sunday	10:00 AM– 4:00 PM	BNRI-105	Prof. P. Vijayakumar	KVK, Gurugram
12-11-2023	Sunday	10:00 AM– 4:00 PM	BNRI-106	Dr. Kavita Bisht/ Sh. Bharat Singh	KVK, Shikohpur
19-11-2023	Sunday	10:00 AM– 4:00 PM	BNRI-107	Sh. Ram Sewak	KVK, Shikohpur

Note: Above dates may be changed as per availability of counselor.