**ASSIGNMENT TOPICS OF B.Sc SEMESTER IV BASED ON PAPER CC-9 (ENVIRONMENTAL MICROBIOLOGY).**

Marks Allotted – 20.

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| S.No. | Student’s Name | Topic Assigned |
| 1. | Anubhav Kumar | Role of Microorganisms in Nitrogen Cycling in Soils. |
| 2. | Anushree | Sources and types of Solid Wastes, methods of disposal. |
| 3. | Birender | Methods to detect the potability of Water Sample. |
| 4. | Chandni Srivastava | Importance of Biogeochemical Cycling. |
| 5. | Diwakar Kumar Singh | Microbe-animal Interactions. |
| 6. | Jyoti Kumari | Wastewater analysing Parameters. |
| 7. | Md.Junaid Iqbal | Structure and Function of Ecosystem. |
| 8. | Parth Chattaraj | Microbial Interactions in Environment. |
| 9. | Shilpa Kumari | Biosurfactants: Production and Applications. |
| 10. | Sneha Priya | Phosphorus cycle: Phosphate Immobilization and Solubilization. |
| 11. | Sonal Maurya | Extemophiles: their role in Environment. |
| 12. | Soybati Mahto | The importance of Waste Management to Environmental Sanitation. |
| 13. | Vaishnavi Upadhyay | Concepts of Ecosystem and Environment. |
| 14. | Archana Kumari | Microbe-Plant Interactions. |
| 15. | Naroni Kumari | Importance of Environmental Microbiology. |
| 16. | Ajay Kumar | Water Potability: Treatment and Safety of Drinking water. |
| 17. | Sushmita Lakra | Sulphur Cycle and Microbes involved in it. |
| 18. | Hariom Gupta | Microbial succession in Decomposition of Plant organic matter. |
| 19. | Rahul Vyas | Bioremediation:An overview. |
| 20. | Deepti Priya | What are Biofilms and their role in waste water treatment. |
| 21. | Prachi Sinha | Microbial Degradation of Cellulose and Hemicellulose in carbon cycle. |
| 22. | Sakshee Priya | Biofilm formation: Does Environmental Factors really affect its formation in Freshwater or Wastewater? |
| 23. | Saurav Kumar | Terrestrial Environment: Soil Profile and Soil Microflora. |
| 24. | Govind Kashyap | Innovative ideas on Waste Management. |
| 25. | Sahil Raza | Assimilatory and Dissimilatory Nitrate reduction in Nitrogen Cycle. |
| 26. | Sandeep Kumar | Manganese cycle in Environment: its Impact and Imporatance. |
| 27. | Manoj Kumar | Iron cycle in Environment. |
| 28. | Anisa Parween | Microbial Degradation of Lignin and Chitin in Carbon Cycle. |
| 29. | Sushvi Raj | Methods of Solid waste Disposal and Management. |
| 30. | Poonam Kumari | Role of Biogeochemical cycles in the Environment. |
| 31. | Sujata Singh | Microflora of Freshwater and Marine water in Aquatic Environment. |
| 32. | Nikki Kumari | Degradation of Organic and Inorganic matter through Microbial Bioremediation. |
| 33. | Akash Kumar | Aeromicroflora and dispersal of Microbes in Atmosphere. |

* ASSIGNMENTS SHOULD BE PREPARED IN HARDCOPY AND WILL BE SUBMITTED IN THE DEPARTMENT WHEN THE COLLEGE RESUMES.
* DO PREPARE THE ASSIGNMENTS ACCORDING TO THE MARKS WEIGHTAGE.THANKS.