

**M.Sc. III Semester Degree Examination, April/May - 2024****APPLIED GEOLOGY****Watershed Management****(NEP)**

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question **No.1 Compulsory**, each question carries **equal** marks.

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| 1. | Answer the following questions: | 14 |
| | (a) Monitoring and evaluation of watershed. | |
| | (b) Describe the objectives of watershed management. | |
| 2. | Answer the following questions: | 14 |
| | (a) Delineation of watershed | |
| | (b) Benefits of watershed | |
| 3. | Answer the following questions: | 14 |
| | (a) Impacts of flood and drought in the watershed | |
| | (b) Controlling measure of soil erosion. | |
| 4. | Add a note on : | 14 |
| | (a) Watershed degradation. | |
| | (b) Erosion and deposition | |
| 5. | Answer the following questions: | 14 |
| | (a) Water conservation methods | |
| | (b) Elements of watershed management | |
| 6. | Answer the following questions: | 14 |
| | (a) Benefits of watershed management | |
| | (b) Rainfall parameters | |
| 7. | Answer the following questions: | 14 |
| | (a) Wind storm impact in the watershed in terms of hydrology | |
| | (b) Rainwater harvesting. | |
| 8. | Write a short note on : | 14 |
| | (a) Soil erosion | |
| | (b) Graded bunding | |
| | (c) Check dams | |

