

Code: R7420104

**R7****B.Tech IV Year II Semester (R07) Supplementary Examinations March/April 2013****WATER SHED MANAGEMENT****(Civil Engineering)**

Time: 3 hours

Max Marks: 80

Answer any FIVE questions  
All questions carry equal marks

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- 1 Define watershed. How do you manage watershed?
- 2 Explain physiology, drainage, land use and vegetative characteristics of a watershed.
- 3 (a) Write a short notes on the effect of erosion on land.  
(b) List out the various factors that affect erosion.
- 4 Explain Gabion structures, brushwood dam, contour techniques and terracing.
- 5 (a) What is meant by artificial recharge, and what is its necessity.  
(b) Explain farm ponds and percolation tanks.
- 6 How do you manage agricultural, grassland and wild land?
- 7 (a) What is the role of ecosystem?  
(b) Explain the terms social forestry and afforestation.
- 8 How do you prepare the action plan for watershed management?

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