

Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXTERNAL EXAMINATION FEBRUARY 2016

(2015 Admission)

CC15P ES1 C01 – Physical Processes in the Environment

(Environmental Science)

Time: 3 Hours

Max. Weightage: 36

I. Answer all questions:

1. What are Solstices?
2. What is Mie scattering?
3. Comment on Upwelling of ocean waters
4. What is Virtual temperature?
5. What is mean by Isothermal process?
6. What is Inversion?
7. Distinguish between Stratus and Cumulus clouds
8. What are Aerosols?
9. What is ENSO?
10. Distinguish between continental crust and oceanic crust
11. Write note on Granite rock
12. Explain Hydrolysis process in chemical weathering?
13. Comment on Stream hydrograph
14. Define Aquifer. Give an example

(14 x 1 = 14 Weightage)

II. Answer **any seven** of the following limiting the answer to one paragraph in each item.

15. Give an account of different motions of the earth
16. Briefly describe the general circulation of oceans and the causes of ocean currents
17. Write notes on stable, unstable and neutral equilibriums
18. Classification of clouds

19. Discuss the curvature and solute effect of droplet growth
20. Formation and texture of sedimentary rocks
21. Concept of plate tectonics
22. Describe mantle of the earth
23. Global water balance
24. Groundwater exploitation and management

(7 x 2 = 14 Weightage)

III. Answer **any two** of the following:-

25. Discuss the general circulation pattern of atmosphere and Indian monsoon
26. Write an essay on vertical stability of atmosphere
27. Explain the climate change phenomenon and the causes of climate change
28. Describe the different chemical weathering processes

(2 x 4 = 8 Weightage)
