

9. During the sensible heating process, the relative humidity CO1-U
 (a) increases (b) decreases (c) constant (d) 0
10. The wet bulb depression is zero, when relative humidity is equal to CO1-U
 (a) 100% (b) 0% (c) 60% (d) 20%

PART – B (5 x 2= 10Marks)

11. List any four limitations of Kennedy's Silt Theory CO1-U
12. Define Primary and Secondary Distribution system CO1-U
13. Explain the Assumptions for Markov model CO1-U
14. What are the Issues and Problems in effective water uses in irrigation CO1-U
15. Explain Water pricing National Water Policy (NWP) CO1-U

PART – C (5 x 16= 80Marks)

16. (a) Explain in detail about the Lacey's theory CO1-U (16)
 Or
 (b) Explain the Kennedy's theory in detail manner. CO1-U (16)
17. (a) Explain in detail about the command area with neat sketches and classify it. CO1-U (16)
 Or
 (b) Provide the relationship between duty of water and delta of water. CO1-U (16)
18. (a) Explain in detail about the Markov chain method for predicting rainfall. CO1-U (16)
 Or
 (b) Explain in detail about the crop water requirement for different crops. CO1-U (16)
19. (a) Explain land capability classification and agriculture productivity indicators in India. CO1-U (16)
 Or
 (b) Expand the term LCC and explain in detail about it. CO1-U (16)
20. (a) Infer the term socio economic perspective watershed development in India. CO1-U (16)
 Or
 (b) Explain in detail about irrigation conflicts water productivity and water pricing in India and Israel. CO1-U (16)