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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION (MAY- 2019)

B. Tech. (IV- SEM.) (All Branches)

COURSE CODE: 10B11GE411

COURSE NAME: Environmental Studies

COURSE CREDIT: 3

MAX. MARKS: 35

MAX. TIME: 2Hrs.

Note: Attempt all Questions.

- Q1(a). Discuss the indoor air pollution scale. 2[COIII]
- (b). Draw a schematic diagram of geothermal power plant. 2[COII]
- Q2(a). Explain Nitrogen cycle. 2[COI]
- (b). Mention the risks of passive smoking. 2[COII]
- Q3(a). Elaborate the factors upon which a green building depends. 3[COVI]
- (b). Elucidate the water conservation with the help of solar energy involving "Soil Water Evaporation Stills". 3[COII]
- Q4(a). Describe rural model of rain water harvesting system. 2[COVI]
- (b). Explain the whole process of "Capsula Mundi" with the help of systematic diagram. 3[COII]
- Q5(a). Elaborate the various methods for Wasteland Reclamation. 3[COVI]
- (b). Compute the theoretical oxygen demand of a water that contain 200mg/l of Toluene (C_7H_8) and 25 mg/l of benzene(C_6H_6). 3[COV]
- Q6(a). How contour trenches built around the hills are helpful in restoring water and increasing plant growth according to "The Miracle water village." Explain with the help of diagram. 3[COII]
- (b). Mention the penalties and punishment for violating any of the rule under "The Motor Vehicles Act". 2 [COVI]
- Q7(a). What are the points and factors used by "LEED" in green building rating system? 2[COVI]
- (b). Mention various components commonly used in fireworks along with their impact upon our health. 3[COVI]