Total No of Pages: 2 Roll No. 7E7044 B. Tech. VII Sem. (Main / Back) Exam., Nov. - Dec. - 2018 Electrical & Electronics Engineering 7EX4A Non-Conventional Enenrgy Sources Common with EE, EX Maximum Marks: 80 Time: 3 Hours Min. Passing Marks: 26 Instructions to Candidates: Attempt any five questions, selecting one question from each unit. All questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly. Use of following supporting material is permitted during examination. (Mentioned in form No. 205) 2. NIL 1. NIL UNIT- I [16] Differentiate Conventional and Non - conventional energy sources. OR [8] What is Double basin arrangement? Q.1 (a) (8) Write advantages and limitations of Tidal Power Generation. (b) UNIT-II Explain types of Solar collectors and differentiate Paraboloidal and Heliostat. [8]

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(b)

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Explain Solar radiation on tilted surface.

[6520]

[8]

Q.5 Explain Biomass conversion technologies.

[16]

OR

Q.5 Explain Pyrolysis scheme and Ethanol production.

[16]

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