



Renewable Energy Sources- 19EE6IERES (An Institutional Level Elective)

DAYANANDA SAGAR COLLEGE OF ENGINEERING

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(An Autonomous Institute affiliated to VTU, Approved by AICTE & ISO 9001: 2008 Certified)

(Accredited by NBA and NAAC with 'A' Grade)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

RENEWABLE ENERGY SOURCES- 19EE6IERES

(Institutional Level Elective)

Question Bank-1-Mark

Module-1

1. The place Jog-Falls, Karnataka is well known for ____ power plant
a)Hydro b)Nuclear c)Thermal d)Bio-Gas
2. The place, Raichoor is well known for ____ power plant.
a)Hydro b)Wind c)Thermal d)Nuclear
3. Flat Plate Collectors converts ____ to heat
a)Hydro b)Wind c)Sun rays d)Bio-Gas
4. Coal and petroleum products are ____ type of energy sources.
a)Primary b)Secondary c)Tertiary d)Supplementary
5. Heating effect of solar radiations called as _____
a)Greenhouse effect b)Heat waste c)Thermal effect d)None
6. Wind, solar and hydro energy sources are called as ____ sources
a)Renewable b)Secondary c)non-renewable d)Supplementary
7. The component of solar radiation responsible for heat is ____
a)Direct sun rays b)Scattered rays c)IR rays d)UV rays
8. ____ Energy of water is used for generation of electricity
a)Potential b)Kinetic c)Both a and b d)None
9. Diesel and Natural gas energy sources are called as ____
a)Renewable b)Secondary c)Primary d)Supplementary
10. Solar radiations which reach earth directly called____
a)Direct sun rays b)Scattered rays c)IR rays d)UV rays
11. Solar radiations which don't reach earth directly called____
a)Direct sun rays b)Scattered rays c)IR rays d)UV rays
12. Thermal power plant converts____ to electricity
a)Coal b)Gas c)IR rays d)UV rays
13. Shivana-samudra is well known for _____ power plant.
a)Hydro b)Nuclear c)Thermal d)Bio-Gas

Module-2

1. Solar cooker converts ____ to ____
a)Sun rays to current b)Nuclear to current c) Sun rays to heat d)none
2. Flat Plate Collectors converts ____ to heat
a)Hydro b)Wind c)Sun rays d)Bio-Gas
3. Solar radiations can be converted to Electricity by _____
a)PV cell b)Battery c)Solar cooker d)Bio gas plant
4. Heating effect of solar radiations called as _____

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- a)Greenhouse effect b)Heat waste c)Thermal effect d)None
5. Wind, solar and hydro energy sources are called as ____ sources
 - a)Renewable b)Secondary c)non-renewable d)Supplementary
6. Device which converts wind to electricity is _____
 - a)Wind power plant b) Thermal power plant c) Total power plant
 - d) Tetra power plant
7. Defused solar radiations means_____
 - a)Direct sun rays b)Scattered rays c)IR rays d)UV rays
8. The component of solar radiation responsible for heat is _____
 - a)Direct sun rays b)Scattered rays c)IR rays d)UV rays
9. The device which converts light into electricity _____
 - a)PV cell b)Battery c)Solar cooker d)Bio gas plant
10. Greenhouse effect means _____
 - a)Heating effect of sun rays b) Heating effect of Battery c) Heating effect of Solar cooker d)None
11. Diesel and Natural gas energy sources are called as ____
 - a)Renewable b)Secondary c)Primary d)Supplementary
12. Wind mills converts ____ to _____
 - a)Hydro to Nuclear b)Nuclear to hydro c)Thermal to hydro d)High speed wind to electricity
13. Most efficient Solar cooker is _____
 - a)Open type b) Box type c) Disk type d) Movable
14. Most efficient wind energy plants is ____
 - a)Horizontal axis b) Vertical axis c) Bothe d) none
15. Function of a Solar dryer is _____
 - a)Drying b) Cooking c) Boiling d) Moving

Module-3

1. Bio-Gas can be produced from _____
 - a)Cattle dung b)Nuclear c)Salt water d)Plastic
2. Coal and petroleum products are ____ type of energy sources.
 - a)Primary b)Secondary c)Tertiary d)Supplementary
3. Main gas component in Bio-gas is _____
 - a)Methane b)Hydrogen c)Nitrogen d)Oxygen
4. Raw materials for Bio-Gas Production are _____
 - a)Cattle dung b)Nuclear c)Salt water d)Plastic
5. Low cost Bio-Gas Plant is_____
 - a)Balloon type b)Doom type c)Open type d)Closed type
6. Main components of Bio-Gas is _____
 - a)Methane b)Hydrogen c)Nitrogen d)Oxygen
7. Main gas component in Bio-gas is _____
 - a)Methane b)Hydrogen c)Nitrogen d)Oxygen
8. Bio-Gas is _____ source of energy.
 - a)Renewable b)Secondary c)non-renewable d)Supplementary
9. Raw materials used from animals for Bio-Gas Production is ____
 - a)Cattle dung b)Nuclear c)Salt water d)Plastic

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10. Bio-Gas is a best replacement for _____
a) Petrol b) Nuclear c) LPG d) Kerosene
11. Bio-diesel means _____
a) Hydrogen b) Pure vegetable oil c) Coal d) Bio-Gas
12. Bio-Gas is _____ source of energy.
a) Renewable b) Secondary c) non-renewable d) Supplementary
13. Bio-Gas is a best replacement for _____
a) Petrol b) Nuclear c) LPG d) Kerosene
14. Straight vegetable oil means _____
a) Hydrogen b) Pure vegetable oil c) Coal d) Bio-Gas
15. Among the following _____ is not a bio-degradable matter.
a) Cattle dung b) wood c) Salt water d) Plastic

Module-4 and Module-5

1. OTEC means _____
a) Ocean thermal energy conversion b) Oil to thermal energy conversion c) Other thermal energy conversion d) none of the above
2. "TPP" means _____
a) Tidal power plant b) Thermal power plant c) Total power plant d) Tetra power plant
3. _____ Energy of water is used for generation of electricity
a) Potential b) Kinetic c) Both a and b d) None
4. Sluice way in TPP means _____
a) Bridge b) Two way path c) Blocker d) Dam
5. TPP means _____
a) Tidal power plant b) Thermal power plant c) Total power plant d) Tetra power plant
6. Tidal Power plant converts _____ to _____
a) Sun rays to current b) Tides to electricity c) Sun rays to heat d) none
7. The working fluid in OTEC system must have _____ Boiling point.
a) Low b) High c) medium d) none
8. Combination of Open and closed cycle OTEC is called as _____
a) Complex b) combined c) hybrid d) Dual
9. The best storage device for electrical power is _____
a) Battery b) Capacitor c) Inductor d) Cylinder
10. The working fluid in OTEC system must not have _____ Boiling point.
a) Low b) High c) medium d) none
11. Low cost plant from ocean is _____
a) TTP b) OTEC c) Wave energy d) Hybrid OTEC
12. Power house in tidal power plant consist of _____
a) Turbine b) Generator c) Both (a) and (b) d) Sluice way