

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore – 641 043**

Master's Degree Examination – November 2017

I Semester

Class: 1 PG

Time: 3 hours

Major: Interior Design and Resource Management

Max Marks: 60

17MIRC02- Sustainable Planning – Living Space and Resource Management

Part – A

(10 x ½ =5)

Choose Correct Answer

1. Cradle-to-cradle design suggests
 - a. Protecting ecosystems
 - b. Using minerals as nutrients
 - c. Using energy-rich products
 - d. Promoting vegetarianism
2. Which organization was established in 1972?
 - a. WHO
 - b. UNEP (UN Environment Programme)
 - c. UNDP
 - d. IPCC
3. The 3R's concept refers to
 - a. reuse, resell and refurbish
 - b. reduce, refurbish and recycle
 - c. reduce, reuse and recycle
 - d. reduce, reuse and resell
4. Identify the biotic resource
 - a. fossil fuels
 - b. microorganisms
 - c. plants
 - d. minerals
5. Expand VOC
 - a. volatile organic complex
 - b. volatile organic compounds
 - c. volatile origami compounds
 - d. volatile origami complex
6. The relatively clean waste water from baths, sinks, washing machines, and other kitchen appliances is termed as
 - a. storm water
 - b. sullage
 - c. grey water
 - d. grey matter
7. The 'e-glass insulation' refers to
 - a. glass-reinforced plastic
 - b. glass in the form of strands
 - c. glass embossed plastic
 - d. glass which has high silica content
8. The centralized control of a building's heating, ventilation, air conditioning, lighting and other systems is
 - a. building control
 - b. building automation
 - c. building surety
 - d. building environment
9. Which is not a mandatory star rated product according to the Bureau of Energy Efficiency, India?
 - a. Colour televisions
 - b. air conditioners
 - c. frost free refrigerators
 - d. furniture and furnishings
10. Sources of VOC don't include
 - a. paints and varnishes
 - b. potted plants
 - c. vinyl flooring
 - d. air fresheners

Part – B

(5 x 4 = 20)

Answer all the questions

Each answer should not exceed 200 words or one page

11. a. State the causes for life cycle assessment impacts of consumption.

(OR)

- b. Write about UNEP and its objectives.

12. a. State the concepts of sustainability.

(OR)

- b. Briefly discuss the three types of sustainability.

13. a. Write a note on use of effluent treatment plants.

(OR)

- b. Briefly discuss how water can be treated for potability in houses.

Part – C

(5 x 7 = 35)

Answer all the questions

Each answer should not exceed 600 words or three pages

16. a. Discuss the impact of consumption and production on society.
(OR)
b. What is the role of the UNEP? How does UNEP aid in saving products for life cycle assessment?
17. a. Discuss the benefits and use of renewable energy.
(OR)
b. Elucidate in detail the types of appropriate technology.
18. a. Write about the components of a rainwater harvesting system and highlighting its advantages.
(OR)
b. Explain in detail the water conservation measures in interiors.
19. a. Discuss in detail how energy can be efficiently used in interiors.
(OR)
b. Explain about energy star labeling and star-rated products.
20. a. Discuss the consumer's role towards society and environmental responsibility.
(OR)
b. Explain in detail the life cycle assessment using eco-friendly materials.