

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

**Master's Degree Examination – November 2017  
III Semester**

**Class: III PG  
Major: Interior Design and Resource Management**

**Max. Marks: 60  
Time: 3 Hours**

**12MIRC14 Household Equipment**

**Part – A**

**10 x ½ = 5**

**Choose the correct answer**

1. Basic Characteristics of metal to be made into household equipment is  
a) Beauty b) Conducting heat c) Availability d) Size
2. Products made out of one of the following is coarse in texture  
a) Tinned steel b) Glass c) Aluminum d) Earthen Ware
3. Melamine products are example for  
a) Thermoplastic b) Thermosetting c) Thermostatic d) Thermodontic
4. Sauce pans is an utensil used in  
a) Surface cookery b) Baking c) Immersion d) Steaming
5. The unit in which the current is measured  
a) Volts b) Watts c) Ampere d) Circuits
6. Selection of cleaning equipment is based on  
a) Efficiency of motor b) Rotating parts c) Fan chamber d) All of the above
7. Microwave oven works by passing microwave radiation at a frequency of  
a) 2455MHZ b) 2050 MHZ c) 20 MHZ d) 2 MHZ
8. The following is not a type of air filter used in air-conditioner  
a) Impingement b) Electrostatic c) Collector –Arrestor d) Excavation
9. Casseroles are used for  
a) Surface b) baking c) Deep frying d) Steaming
10. AC and DC are the type of  
a) Current b) Insulators c) Resistors d) Conductor

**Part - B**

**5 x 4 = 20**

**Answer All Questions**

**Answer should not Exceed 200 Words or One Page**

- 11 (a) Mention the minor repairs in electrical and non – electrical gadgets.  
(or)  
11 (b) Write the basic concept of electricity in the home.
- 12 (a) List few varieties of materials used for kitchen counter finish. Discuss any one.  
(or)  
12 (b) Discuss about the water extraction process from a laundry washing machine
- 13 (a) What are the different methods of assembling utensil parts? Explain any one.  
(or)  
13 (b) State the merits and demerits of insulating materials.
- 14 (a) Discuss about pressure sauce pan.  
(or)  
14 (b) What are electric conductors and Insulators?
- 15 (a) Draw and Explain Compressor system of a refrigerator  
(or)  
15 (b) Enumerate the role of BIS in setting the standards.

**Part - C**

**5 x 7 = 35**

**Answer All Questions**

**Answer should not Exceed 600 Words or three Page**

- 16 (a) Discuss about two new insulating materials available in the market  
(or)  
16 (b) Enumerate the various ways of conserving electricity at household level
- 17 (a) Classify equipment according to size with examples  
(or)  
17 (b) Discuss about two organizations contributing to the development of standards of Equipment.
- 18 (a) What is the role of circuit breaker? List the types and discuss any one.  
(or)  
18 (b) Explain the working mechanism of microwave oven.
- 19 (a) List the types of electric cleaners. Discuss characteristics of any one.  
(or)  
19 (b) How does a electric rice cooker work?
- 20 (a) Discuss the latest development in remote operation of household electrical equipment.  
(or)  
20 (b) What are the criteria needed for evaluation and selection of tools?

\*\*\*\*\*