

**Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore-641043.**

**Master's Degree Examination – November 2018
Semester III**

**Class : II PG
Major : Chemistry**

**Time: 3 hours
Max. Marks:-60**

17MCHC14 Polymer Chemistry

**Part A
Choose the correct answer**

10 x 1/2 = 5

1. Nylon 6 is synthesised by ----- polymerisation of caprolactum.
a. Ring opening b. Condensation c. Free radical d. Ionic
2. Identify the polymer which can be prepared by condensation polymerisation .
a. Polyethylene b. Polyamide c. Benzoyl peroxide d. Ethyl chloride
3. In proteins sequence of aminoacids can be found by
a. Osmometry b. Millon's test c. End group analysis d. Viscometry
4. Light scattering method is used to find
a. Molecular weight of polymers b. T_g c. T_m d. None of the above
5. Di-t-butyl-p-cresol is an example of
a. Thermal stabilizer b. UV stabilizer c. colorant d. Antioxidant
6. An amorphous solid that exhibits a glass transition is called
a. Glass b. Solid c. Rubber d. Bakelite
7. Industrial production of polyacrylonitrile by free radical polymerisation uses the ----- technique.
a. Emulsion b. Solution c. Suspension d. Interfacial
8. Suspension polymerisation is also called as ----- polymerisation .
a. Diamond b. Ruby c. Beads (or) pearl d. Gold
9. Poly (methylmethacrylate) is used to make
a. Contact lens b. Artificial skin c. Rubber d. Filler
10. Example for natural polyelectrolytes is
a. Polypeptides b. Polyphenols c. PVC d. none

