

17/11/2017

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(Second Semester)

Branch- **CHEMISTRY**

INDUSTRIAL CHEMISTRY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 What is meant by Glass wool?
- 2 Write about the composition of Cement.
- 3 What is mean by natural organic fertilizers?
- 4 How lead arsenate act as an insecticides?
- 5 Why antiskinning agent is added to the point?
- 6 How animal glue is obtained?
- 7 Write any two conditions for fermentation?
- 8 What is mean by molasses & its uses?
- 9 Mention the oil, which is used in the soap.
- 10 Define Detergents.

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a How annealing process is done for the glass material?
OR
b Write about any five cement industry in India & its economical development.
- 12 a Explain any five essential requirements of fertility of soil.
OR
b How nicotine act as a natural insecticides?
- 13 a In few words, write about white pigments, Blue pigments and Green pigments?
OR
b Discuss the constituents of points.
- 14 a Describe the manufacture of sugar from beetroot.
OR
b How soda pulp is obtained from paper?
- 15 a Write about toilet soap.
OR
b How amphoteric detergents are used and its importance?

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 How setting of cement occurs?
- 17 Explain the classification of insecticides?
- 18 Write about the following: (i) Synthetic Resin Adhesive
(ii) Plasticizers role in paint.
- 19 Discuss about (i) the crystallization process in sugar
(ii) paper industry in India
- 20 Explain the process of anionic detergents.