

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

J4.CH OQ£

Branch - CHEMISTRY

INDUSTRIAL CHEMISTRY

Time : Three Hours ,

Maximum: 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks • (10x2 = 20)

- 1 Give the composition of glass.
- 2 Write the additives in cement.
- 3 What are primary nutrients?
- 4 What is Paris green? Mention its uses.
- 5 What are anti-skinning agents? Give two examples.
- 6 Define - pigments.
- 7 Explain: Fermentation.
- 8 Write note on calendaring paper.
- 9 How will you distinguish between soaps and detergents?
- 10 What are amphoteric detergents?

SECTION - B (25 Marks)

. Answer ALL Questions

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

- 11 a Explain the special types of glass.
OR
b Discuss the cement industries in India.
- 12 a Write down the classification of fertilizers.
OR
b Briefly explain the insecticide action of nicotine.
- 13 a Discuss the constituents of paints.
OR
b Write a note on green pigments.
- 14 a How is ethyl alcohol manufactured from molasses? Explain.
OR
b Explain the preparation of wood pulp.
- 15 a Write about the cleaning action of soap. How is glycerin recovered from spent lye?
OR
b Give an account on corrosion inhibitors.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write short notes on: (3 + 3 + 4)
i) Setting of cement ii) Annealing of glass iii) Types of Portland cement.
- 17 How are the following prepared? (3 + 3 + 4)
i) Urea ii) Super phosphate iii) Triple super phosphate.
- 18 Discuss the manufacture of paints.
- 19 Explain various steps involved in the manufacture of sugar.
- 20 Discuss the manufacture of anionic detergents.