D. P. Bhosale College, Koregaon
M.Sc. (Part II) (Semester IV) (CBCS)
ANALYTICAL CHEMISTRY
Organic Industrial Analysis (Paper- XIV)
Sub code:81581/86572

Q 1) : Answer the following question.(one mark each) **[16]**

(a) Write the structure of Sulfaquinoxaline.
(b) Name some commonly used food preservatives.

(c) Name one method for detection of active ingredients in detergents.

(d) State any two different of oil & fat.

(e) Name any two ionic surfactants.

(f) What is pour point of petroleum.

(g) Give constituent of Talcum powder.

(h) Name any one germicidal agent used in toilet soap.

(i) What is Calorific value?

(j) What is flash point of petroleum?

(k) What is THAM?

(l) Enlist some enzymes present in milk?

(m) State any two essential constituents of creams.

(n) Specify the role of binders in paints.

(o) What is role of CMC in detergent.

(p) Define Polenske value.

SECTION-I

Q 2) How will you estimate the following?

(a) Total Reducing Sugar from honey. [06]

(b) How will you estimate zinc in creams. [06]

(c) Analysis of Jam. [04]

Q 3) Explain the following terms.

(a) Describe the method for the determination of lead from petroleum products. [08]
(b)Explain any four terms:

i) Emulsion ii) Surfactant iii) Humicants iv) Colourants v) Preservatives [08]

Q 4) Expalin the following terms.

(a) What are soap? Comment on the method available for the estimation of soap in detergent formulation. [08]

(b) Define Detergent. Classification of Detergent. [08]

SECTION-II

Q 5) Explain the following terms.

a) Explain in brief any two physical characteristics of oils. [08]
b) Write a note on modification of binders in paints. [08]

Q 6) Explain the following terms.

a) Discuss doctor test of petroleum product. [08]

b)Explain role of Zn, Mg, Ca, Al & Fe salts in face powder & give an account of a method for the estimation of Zn in medicated powder. [08]

Q.7 Write short note on following (any three) [16]

a) Flash point of paints

b) Elaiden test

c) Food colours, flavours & preservatives

d) Softening of fat

e) Hyamine 1622 mehtod