

V.P. & R.P.T.P. SCIENCE COLLEGE,  
VALLABH VIDYANAGAR  
B.Sc.(Semester-IV)  
Applied chemistry(US04CCHE02)

Date:13-03-2014

Internal test-March,2013

Marks:30

Day: Thursday

Time:1.00pm to 2.30pm

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Q.1 Answer the following: (Any three) (6)

- (a) Write the structure of Calcidiol and Ergocalcidiol.
- (b) What are the characteristics of Scurvy.
- (c) Give the importance of fertilizers.
- (d) Discuss the action of urea as a fertilizer.
- (e) Write the basic raw materials for manufacture of portland cement.
- (f) Give the list of various types of gypsum.



Q.2 (A) Write the chemistry and deficiency symptoms of vitamin A. (4)

(B) Write the bio chemical function and dietary sources of vitamin D. (4)

OR

Q.2 (A) Write the bio chemical function of vitamin C. (4)

(B) Define vitamin and give its classification. (4)

Q.3 (A) Write a note on normal super phosphate. (4)

(B) Discuss the manufacturing process of ammonium nitrate. (4)

OR

Q.3 (A) Discuss the manufacturing process of ammonium sulphate and also give the action of ammonium sulphate as a fertilizer. (4)

(B) Write a note on mixed fertilizer. (4)

Q.4 (A) Discuss the manufacturing process for lime. (4)

(B) Write short note on : Reaction takes place in Rotary kiln for manufacture of cement. (4)

OR

Q.4 (A) Write short note on : Plaster Of Paris. (4)

(B) Describe the manufacturing process of calcium cyanamide. (4)