

17314

| Hours / 100 M | arks | Seat No. | | | | | | | | |
|---|--|--|-------------------------------------|-----------------------|-----------------------|------------|--------|--------|--------|-------|
| Instructions : | (2) Illustr(3) Figure(4) Assum | estions are comp ate your answer es to the right in ae suitable data, f Non-program ssible . | s with dicate if nec e | neat full essar | ' mark 'y . | <i>s</i> . | | | lator | is |
| | | | | | | | | | | Marks |
| A) Attempt any six : | | | | | | | | | | 12 |
| a) Name any two | • | | ing of a | sulph | uric a | cid. | | | | |
| b) What is fummin | • | | 2 | | | | | | | |
| c) Write the reaction | | | | - | ric aci | d. | | | | |
| d) Give any two p | - | 1 | | | | | | | | |
| e) Name the catal | | | monia | l . | | | | | | |
| f) Write the cell no | | | | | | | | | | |
| g) Give the constitution | | • | | | | | | | | |
| h) What is gypsun | renernically | <i>!</i> | | | | | | | | 0 |
| B) Attempt any two : | led forme of | Nalaan/Dianhaa | 1 | 1 | | | | | | 8 |
| a) Draw neat labelb) Name any four | U | 1 4 | | 1. | | | | | | |
| c) What is cement | | 0 | | nort | land ce | ment | | | | |
| c) what is content | | nennear composi | | poru | | ment. | | | | |
| Attempt any two: | | | | | | | | | | 16 |
| a) Describe manufact | ure of urea w | ith neat flow shee | t diagi | ram. | | | | | | |
| b) Describe manufact | ure of phospl | noric acid with ne | at flow | v shee | et diag | ram. | | | | |
| c) Draw only well lab | elled flow sh | eet diagram for m | anufac | cturin | ng of cl | nlorine | and c | austic | soda. | |
| Attempt any four : | | | | | | | | | | 16 |
| a) Draw the structures | of white and | l red phosphorus a | and giv | ve the | e prope | erties c | f whit | e phos | sphoru | JS. |
| b) Describe manufact | ure of phosp | horus by Electro t | herma | al pro | cess. | | | | | |
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| d) Give two properties and two uses of chlorine and caustic soda. e) Explain working of Ammonia converter with neat figure. f) Draw only flow sheet diagram for manufacture of H₂SO₄ and oleum by contact | Marks |
| 4. Attempt any four:a) Describe manufacture of HCl by synthesis process. | 16 |
| b) What is plaster of paris ? Give its uses.c) Describe manufacture of single super phosphate. | |
| d) What are fertilizers ? Give the classification of Inorganic fertilizers.e) Describe manufacture of producer gas. | |
| f) Describe manufacture of CO₂ from fermentation process. 5. Attempt any two : | 16 |
| a) Describe manufacture of sodium carbonate by Solvay's Ammonia Soda procesb) With neat flow sheet diagram describe manufacturing process of Nitric acid. | |
| c) With neat figure explain manufacture of Oxygen and Nitrogen by Claude's proc6. Attempt any four : | ess. 16 |
| a) Describe manufacturing of Acetylene by any one method.b) Describe manufacturing of water gas by continuous process. | |
| c) Describe manufacture of Ammonium sulphate by Mesberg (Gypsum) process. d) Describe manufacture of Ammonium Nitrate by Stengel process. e) Describe manufacture of all each base has a second second | |
| e) Describe manufacture of phosphorus by commercial/industrial method.f) With block diagram explain manufacture of cement by dry process. | |
