

Gurudas College

Internal Assessment Examination, 2021-22

Subject-CEMA, SEM-V

Paper- DSE-B-1

Time: 30 Minutes

Full Marks: $1 \times 10 = 10$

Answer any ten questions

1. What do you mean by coloured glass?
2. Write down the composition of clay.
3. Briefly describe carbon nanotubes?
4. Discuss the role of semiconductor ceramics in harvesting solar energy.
5. Write down the chemical reactions involve in manufacturing fertilizer CAN.
6. What are the three essential main elements in a good fertilizer?
7. Write the requirement of surface pre-treatment before surface-coating.
8. Write the functions and one example each of drying oils and plasticizers.
9. Write the concerned reactions in a Pb-storage battery.
10. What are used as electrolyte in solid state electrolyte batteries?
11. What are detonators? Give one example.
12. Name the raw materials in the preparation of PETN.
13. Give one application of zeolites in the conversion of biomass to chemicals.
14. Give one suitable example of heterogenous catalyst.
15. What are alloy steels? Give one example.