

APPLIED CHEMISTRY-II

2nd Exam/2254/2451/5424/Common/Nov'17

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Fill in the blanks.

10x1=10

- Slag is a product of _____.
- Bronze is an alloy of copper and _____.
- Water gas is a mixture of hydrogen and _____.
- Galvanizing is the process of depositing _____ on ions.
- Main hydrocarbon of biogas is _____.
- The velocity of grease is _____ than of olive oil.
- In paint, gypsum is used as _____.
- The monomer of PVC is _____.
- Least polluting car fuel is _____.
- The unit of intensity of sound is _____.

Q2. State True and False.

5x1=5

- Brass is a non-ferrous alloy.
- A good fuel has low calorific value.
- Volatility of a lubricant should be low.
- Fibres are weaker than elastomers.
- Chloromethane is the monomer of PVC.

SECTION-B

Q3. Attempt any six questions.

6x5=30

- Explain Froth floatation process for the concentration of sulphide ore.
- Write a short note on metal cladding and metal spraying.
- What is a producer gas? Give its composition and uses.
- What are functions of lubricants?
- Difference between thermoplastic and thermosetting plastics?
- What are the applications of polymers?
- What are main sources of air pollution?
- Define erosion. How it is different from corrosion?

SECTION-C

Q4. Attempt any five questions.

5x6=30

- Describe the composition and uses of bronze and gun metal.
- Explain electro chemical theory of corrosion.
- What are fuels? Give the characteristics of good fuel.
- Define fire point, flash point, viscosity, viscosity index, cloud point and pour point.
- What is glass? Give composition and uses of glass.
- What are lubricants? How are they classified?
- Explain green house effect and global warming.
- Define plastic. Give constituent and applications of plastics.