Chemistry

Q1	29
Q2	23
Q3	21

1. Physical Chemistry	[29 Marks]
(a) What is Physical Chemistry? Solution: Study of Physical Behaviour of chemical elements	[4 Marks]
(b) Nucleur Chemistryi. Does Decay constant depend on the number of atoms of the element?	[25 Marks]
Solution: No, it does not	i j
2. Inorganic Chemistry	[23 Marks]
(a) Describe Coordination Chemistry Solution: Study of interaction of 2 chemical Compounds	[7 Marks]
(b) Chemical Bonding	[16 Marks]
i. Give Different Hybridisation Solution: sp, sp2, sp3, dsp2	[16 Marks]
3. Organic Chemistry	[21 Marks]
(a) List out different Functional Groups Solution: Alkanes, Alkenes, Ethers, Alkynes	[12 Marks]
(b) General Organic Chemistry	[9 Marks]
i. Mention 3 different effects Solution: Inductive, Resonance, Mesomeric	[9 Marks]