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College for Girls, Arts,
Science and Education
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Synthesis and Spectroscopic Studies of Some Group 6 Metal Derivatives with CertainMolecularly Designed Ligands

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NOTE

Beside the work done this thesis, the candidate has attended post graduate courses in one year in analytical and inorganic chemistry including the following topics:-

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- Advanced chromatographic and separation.
- Advanced electrochemistry and electroanalytical chemistry.
- Inorganic reaction mechanisms.
- Group theory and computer applications in chemistry.
- Molecular spectroscopy.
- Bioinorganic chemistry.
- Organometallic chemistry.
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Lists of Abbreviations

salenH₂	Bis-(2-salicylaldehyde)ethylenediimine
PbiH	2-(2-pyridyl)benzimidazole
Abtz	2-aminobenzothiazole
PPh₃	Triphenylphosphine
Tu	Thiourea
THF	Tetrahydrofurane
DMF	Dimethylformamide
DMSO	Dimethylsulphoxide
ESR	Electron spin resonance spectroscopy
IR	Infrared spectroscopy
NMR	Nuclear magnetic resonance spectroscopy
TG	Thermogravimetric analysis
UV-vis	Electronic absorption spectra

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