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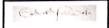
ELIZADE UNIVERSITY, ILARA – MOKIN, ONDO STATE, NIGERIA DEPARTMENT: PHYSICAL AND CHEMICAL SCIENCES IRST SEMESTED EXAMINATIONS: 2010/2020 A CADEMIC SESSION

FIRST SEMESTER EXAMINATIONS: 2019/2020 ACADEMIC SESSION B
COURSE CODE: CHM 207 COURSE TITLE: EXPERIMENTAL CHEMISTRY I

HOD's SIGNATURE

DURATION: 3 HOURS

INSTRUCTIONS: ATTEMPT ALL QUESTIONS



QUESTION ONE

- **A.** What effect will drying out the silica gel have on the partitioning of your components in column chromatography?
- **B.** What instrument will you employ to remove a hot crucible from the furnace?
- C. Why do you carry out solubility test of organic compounds in mineral acids and alkalis?

QUESTION TWO

- A. J is an aqueous solution of Pb +2, Al +3 and Cu +2. Perform suitable chemical tests to identify the cations present.
- B. P, F and Z are alcoholic solutions of carboxylic acid, aromatic amine and a carbonyl..
 BUT NOT NECESSARILY IN THAT ORDER. Perform suitable chemical tests to
 IDENTIFY AND CORRECTLY LABEL THE SAMPLES