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		No: Exam Seat No:			
		C.U.SHAH UNIVERSITY			
		Winter Examination-2018			
Subjec	ct Nam	e: Analytical Chemistry-II			
Subjec	ct Code	e: 5SC02ACH1 Branch: M.Sc. (Chemistry)	Branch: M.Sc. (Chemistry)		
Semester: 2		Date: 29/10/2018 Time: 02:30 To 05:30	Marks: 70		
(1) (2) (3)	Instru Draw	of Programmable calculator and any other electronic instrument is prohibactions written on main answer book are strictly to be obeyed. neat diagrams and figures (if necessary) at right places. me suitable data if needed.	vited.		
		SECTION – I			
Q-1		Attempt the Following questions	(07)		
	A	Write the full form of AOs & SOP.	02		
		What is precision?	02		
	C D	What is confidence limit?	02 01		
	D	Define quantitative analysis.	VI		
Q-2		Attempt all questions	(14)		
~ -		Give differences between quality assurance and quality control.	05		
		Discuss methods for minimization of errors.	05		
	\mathbf{C}	Write a note on data processing limit.	04		
		OR			
Q-2		Attempt all questions	(14)		
		Explain determinant and indeterminate errors.	05		
	В	Write a note on test of significance.	05		
	C	Write a note on applications of confidence limit.	04		
Q-3		Attempt all questions	(14)		
Q -3		What is error? Discuss the types of errors.	08		
		Discuss the classical and instrumental methods for analytical techniques	06		
	~	OR	00		

Q-3 **Attempt all questions** Discuss the validation of analytical methods. Discuss GLP- standard operating procedures. **08** \mathbf{A} B **06 SECTION – II** Attempt the Following questions How do we accurate calibration curve? **Q-4 (07)** A 02 Page 1 || 2

(14)



	В	What is method for sampling?	02
	\mathbf{C}	Give the name of source used in visible spectroscopy.	01
	D	What are ditopic solvents?	01
	E	Define linearity range?	01
Q-5		Attempt all questions	(14)
	\mathbf{A}	Write a note on internal standard.	05
	В	Write a note on sample preparation.	05
	\mathbf{C}	Discuss calibration curves.	04
		OR	
Q-5		Attempt all questions	(14)
	A	Discuss the effects solvent in UV-Vis Spectroscopy.	05
	В	Write a note on choose of solvent in UV Visible spectroscopy.	05
	C	Write a note on standard addition technique.	04
Q-6		Attempt all questions	(14)
•	A	Explain instrumentation of UV-Vis spectroscopy.	08
	В	Discuss the applications of UV-Vis spectroscopy.	06
		OR	
Q-6		Attempt all Questions	(14)
_	A	What is emission? Discuss the theory of electronic spectroscopy.	08
	В	Discuss the steps involved in chemical analysis.	06

