	http://ww	w.spp
Total No. of Questions :6] SEAT No. :		
P1925		ges : 2
	M.ScI	
	CHEMISTRY	
CHA	-190 : Safety in Chemical Laboratory and Good Laborato	ry
	Practices (2012 P. 11)	
	(2013 Pattern) (Semester-I) (Old 5 Credit)	
Time: 31	•	ks : 50
1) 2)	ons to the candidates: Answer to the two sections should be written in seperate answer books. All questions are compulsory. Neat diagram must be drawn wherever necessary.	
	SECTION-I	
Q1) Att	empt the following:	[10]
a)	Define allergen and give its two examples.	
b)	Give the importance of material safety data sheet.	
c)	What is the first aid for contact of chemicals on skin and eyes.	
d)	Mention the objective of fire drill.	
e)	What is the role of eye wash unit and safety shoes.	
(Q2) And	swer any two of the following:	[10]
	Explain in brief 'Good House Keeping'.	[IV]
a)		
b)	Write a note on globally harmonized system for safety data sheet.	
c)	Give an brief account of safety in chemical laboratory.	

Write a note on personnel protective equipments. d)

Q3) Answer any one of the following:

[5]

- Enlist the various hazards and explain any one of it in detail. a)
- Write a note on different types of fire extinguisher. b)

[10]

SECTION-II

Q4) Attempt the following:

- a) What are the safety measures for mercury spillage.
- b) Define fire and give its types.
- c) What is stock register forchemicals?
- d) Comment on losses in accidents.
- e) Define Hazardous and non hazardous waste.

Q5) Answer any two of the following:

[10]

- a) Write a short note on inventory management.
- b) Explain ISO and NABL accreditation.
- c) Define the laboratory standards and explain the identification of Hazards.
- d) Explain Instrument validation and reagent certification.

Q6) Answer any one of the following:

[5]

- a) What is mixed waste? Explain the method for its disposal.
- b) What is SOP? Explain its implementation in chemical laboratory.

