PARUL UNIVERSITY

PARUL INSTITUTE OF APPLIED SCIENCES

MID SEMESTER INTERNAL EXAMINATION, 2019.

B. Sc. Semester IV

Subject: Forensic Chemistry

(C) Combustion

-	Code: 1110 9:30-11:00 ctions:	Date: 25/02/2019 Maximum Marks: 40						
1.	All questio only.	ons are compulsor o the right of que	_			_		
Q. 1	Attempt	any one question	of the following			(08)		
Q. I	(i)		(00)					
	(ii)	Write a note on Explain Chemis	stry of Fire in deta	ails				
Q. 2	Attempt		(12)					
C - –	(i)		()					
	(ii)	Write a note on Write a brief or						
	(iii)	Write a note on						
	(iv)	What is combus						
	(v)	What is backdra	n it.					
Q. 3	Do as di		(05)					
	(i)							
	(ii)							
	(iii)							
	(iv)							
	(v)	Which instrume at crime scene?	ent is used for det	ection of flam	mable liquid			
Q. 4	Write correct option in your answer sheet for following 15 multiple					(15)		
	choice q	uestions.						
MCQ 1	Which is not making the fire triangle?							
	(A)	Oxygen	(B)	Heat				
		Fuel	(D)	Fire				
MCQ 2	2 After M	·						
	(A) I	Heat Energy	(B)	Fire				
	(C) Smoke (D) All of the above							
MCQ 3		pors known as	S					
		Flash point	(B)	Ignition p				
		Vapor Point	(D)	Boiling p				
MCQ 4	The transfer of heat from one object to another through direct physical contact known as							
	(A) F	Radiation	(B)	Conduction	on			

Convection

(D)

MCQ 5	Liqu	ids having a flash point below _	is known as flammable liquids.					
	(A)	100 °F	(B)	140°C				
	(C)	110°F	(D)	100 °C				
MCQ 6	Following which is not the phase of fire?							
	(A)	Incipient	(B)	Free burning				
	(C)	Smoldering	(D)	Pyrolysis				
MCQ 7	Which method is used to analyze complex mixture of volatile organic compound?							
	(A)	Gas chromatography	(B)	Thin layer chromatography				
	(C)	Gel Chromatography	(D)	High Performance Liquid				
				Chromatography				
MCQ 8	In which Method Carbon fiber mat is used to collect samples?							
	(A)	Heated headspace sampling	(B)	Passive headspace diffusion				
	(C)	Both (a) and (b)	(D)	None of the above				
MCQ 9	In solid phase microextraction carbon fibre mat is replaced by							
	(A)	Syringe	(B)	solid-phase absorbent bonded to				
				the fiber				
	(C)	Silicon Mat	(D)	None of these.				
MCQ 10	The transfer of heat by some circulating medium known as							
	(A)	Radiation	(B)	convection				
	(C)	Conduction	(D)	Smoldering				
MCQ 11	Following which is the organochlorine?							
	(A)	Lindane	(B)	Aldrin				
	(C)	DDT	(D)	All of the above				
MCQ 12	Which is the most widely used insecticide in India?							
	(A)	Organochlorine	(B)	Organophosphorus				
	(C)	Carbamates	(D)	All of the above				
MCQ 13	Carbamates shows mode of action at by affecting							
	(A)	Na- K channel	(B)	Lymphatic system				
	(C)	Acetylcholinesterase	(D)	None of the above				
		inhibition						
MCQ 14	Usually the cause of death due to pesticide poisoning is							
	(A)	Homicidal	(B)	Suicidal				
	(C)	Accidental	(D)	Both (b) and (d)				
MCQ 15	have always been extremely popular to committing suicide in India.							
	(A)	Organophosphates	(B)	Carbamates				
	(C)	Both of the above	(D)	None of the above.				