## Sardar Bhagwan Singh University **M.Sc Chemistry Molecular Spectroscopy**

	a) True
1. Chromatography is a physical method that is	b) False
used to separate and analyse	10. In Thin lay
a) Simple mixtures	phase is made
b) Complex mixtures	is made of
c) Viscous mixtures	a) Solid, liquid
d) Metals	b) Liquid, liqui
2. In which type of chromatography, the stationary	c) Liquid, gas
phase held in a narrow tube and the mobile phase is	d) Solid, gas
forced through it under pressure?	11. In which of
a) Column chromatography	chromatograph
b) Planar chromatography	horizontally ov
c) Liquid chromatography	a) Ascending p
d) Gas chromatography	b) Descending
3. In chromatography, the stationary phase can be	c) Radial paper
supported on a solid.	d) Ascending -
a) Solid or liquid	12. Liquid chro
b) Liquid or gas	which of the fo
c) Solid only	a) Only in colu
d) Liquid only	b) Only on plan
View Answer	c) Either in col
4. In chromatography, which of the following can	d) Neither in co
the mobile phase be made of?	13. Gas chroma
a) Solid or liquid	of the followin
b) Liquid or gas	a) Only in colu
c) Gas only	b) Only on plan
d) Liquid only	c) Either in col
View Answer	d) Neither in co
5. Which of the following cannot be used as an	14. In Gas-liqu
adsorbent in Column adsorption chromatography?	stationary phas
a) Magnesium oxide	mobile phase is
b) Silica gel	a) Solid, liquid
c) Activated alumina	b) Liquid, liqui
d) Potassium permanganate	c) Liquid, gas
6. Which of the following types of chromatography	d) Solid, gas
involves the separation of substances in a mixture	15. Which of the
over a 0.2mm thick layer of an adsorbent?	chromatograph
a) Gas liquid	mobile phase n
b) Column	by the influenc
c) Thin layer	a) Column Chr
d) Paper	b) High Pressu
View Answer	c) Gas Chroma
7. Chromatography cannot be used to purify	d) Planar Chro
volatile substances.	
a) True	
b) False	
8. In Column chromatography, the stationary phase	
is made of and the mobile phase is	
made of	
a) Solid, liquid	
b) Liquid, liquid	
c) Liquid gas	

- d) Solid, gas
- 9. Chromatography cannot be used to separate delicate products.
- **ک** ا
- ayer chromatography, the stationary le of \_\_\_\_\_\_ and the mobile phase
- id quid
- lS

of the following type of paper, phy does the mobile phase move

- over a circular sheet of paper?
- g paper chromatography
- ng paper chromatography
- per chromatography
- g descending chromatography
- hromatography can be performed in
- following ways?
- olumns
- lane surfaces
- columns or on plane surfaces
- columns nor on plane surfaces
- matography can be performed in which
- ving ways?
- olumns
- lane surfaces
- columns or on plane surfaces
- columns nor on plane surfaces
- quid phase chromatography, the
- hase is composed of \_\_\_\_\_\_ and the
- e is made of \_\_\_\_\_
- iid
- quid
- f the following types of

phy involves the process, where the e moves through the stationary phase nce of gravity or capillary action?

- Chromatography
- sure Liquid Chromatography
- natography
- romatography

c) Liquid, gas