

CITY COLLEGE  
CHEMISTRY- GENERAL

B.SC Semester 3 Internal Assessment (online), under CU 2020-21

Paper: SEC1

(Basic Analytical Chemistry)

Full Marks – 10

Attempt all the questions.

1. Hardness of water is due to the presence of salts of \_\_\_\_\_

- (a) Potassium      (b) Chlorine      (c) Magnesium      (d) Sodium

2) The main sources of Arsenic in water are \_\_\_\_\_.

- (a) Floods      (b) Fertilizers      (c) Industrial waste      (d) Both b and c

3) Red colour of soil is due to \_\_\_\_\_

- (a) Hematite      (b) Geothite      (c) Glauconite      (d) Maghemite

4) pH meter measures

- (a) Na ions concentration      (b) H ions concentration  
(c) Al ions      (d) All of the above

5) The full form of **PFA** is

- (a) Prevention of Food Act      (b) Protection of Food Act  
(c) Prevention of Food Adulteration Act      (d) None of the above

6) Pasteurization is the process of heating milk

- (a) above 121°C      (b) above boiling point  
(c) below boiling point      (d) above 150°C

7) Coffee is adulterated with

- (a) Chicory      (b) Saw dust      (c) Ghee      (d) All of these

8. In which type of chromatography, the stationary phase held in a narrow tube and the mobile phase is forced through it under pressure?

(a) Column chromatography

(b) Planar chromatography

(c) Liquid chromatography

(d) Gas chromatography

9. In chromatography, which of the following can the mobile phase be made of?

(a) Solid or liquid

(b) Liquid or gas

(c) Gas only

(d) Liquid only

10. Dextrose is –

(a) naturally occurring preservatives

(b) chemically synthesised preservatives

(c) not a preservative

(d) none of this.