

Reg. No. : .....

Code No. : 30293 E Sub. Code : SSCH 4 A/  
ASCH 41

Sc. (CBCS) DEGREE EXAMINATION, APRIL 2022

Fourth Semester

Chemistry

Skill Based Subject — CHEMISTRY IN MEDICINE

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

Which of the following is an antidote for mercury intoxicification?

- (a) Methadoxine
- (b) Maintain the level of hydration
- (c) Oxygen therapy
- (d) Selenium

Which one of the following is usually detected by measuring glucose level in a blood test?

- (a) Asthma
- (b) Tuberculosis
- (c) Diabets
- (d) Anaemia

Which one of the following is the main causes of hypertension?

- (a) Smoking
- (b) Obesity
- (c) Overweight
- (d) All of the above

Survey is due to the deficiency of

- (a) Vitamin C
- (b) Vitamin E
- (c) Vitamin B
- (d) Vitamin A

Which requires medication to decrease stomach acid production?

- (a) bone disease
- (b) stomach ulcer
- (c) skin disease
- (d) nervous disorder

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

- (a) Write a note on first aid kit.

Or

- (b) Describe in detail about antidote.

Page 3 Code No. : 30293 E

- 2. Is ice good for poisonous bits?
  - (a) Yes
  - (b) No
  - (c) Don't know
  - (d) May be
- 3. \_\_\_\_\_ is used as an astringent.
  - (a) aluminium hydroxide
  - (b) alum
  - (c) aluminium
  - (d) all of the above
- 4. Iron deficiency anaemia is treated by
  - (a) ferrous gluconate
  - (b) aluminium hydroxide
  - (c) aluminium acetate
  - (d) sodium hydroxide
- 5. Quick relief inhalers needed to treat
  - (a) asthma
  - (b) tuberculosis
  - (c) nervous disorder
  - (d) typhoid
- 6. Which causes disfiguring skin sores?
  - (a) epilepsi
  - (b) reprosy
  - (c) tuberculosis
  - (d) cholera

Page 2 Code No. : 30293 E

- 12. (a) Explain : Applications of aluminium acetate.

Or

- (b) Discuss on biological importance of copper.

- 13. (a) Explain the treatment for whooping caught.

Or

- (b) Describe the treatment method for peptic ulcer.

- 14. (a) Explain : determination of glucose in serum.

Or

- (b) How will you determine the hemoglobine in blood?

- 15. (a) Write a note about the sources of vitamins.

Or

- (b) Discuss on the treatment for skin diseases.

Page 4 Code No. : 30293 E

[P.T.O.]

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe on various types of common poisons.

Or

- (b) Explain the following :

- (i) burns
- (ii) fainting
- (iii) poisonous bits.

17. (a) Write a note on the following :

- (i) uses of ferrous fumarate
- (ii) biological importance of calcium.

Or

- (b) Explain :

- (i) Properties and uses of alum
- (ii) Biological importance of iodine.

18. (a) Discuss the prevention and treatment of tuberculosis.

Or

- (b) Write a detailed note on the prevention and treatment of epilepsy.

19. (a) Explain the following :

- (i) Determination of serum cholesterol
- (ii) Detection of diabetes.

Or

- (b) Discuss on the following :

- (i) blood pressure
- (ii) hypertension.

20. (a) Write a detailed note on the sources and deficiency diseases of vitamins B2 and B6.

Or

- (b) Discuss on the following.

- (i) classification of vitamins
- (ii) deficiency disease of vitamins.