

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Write the first aid given for the following
(i) Bleeding (ii) Cuts (iii) Burns (iv) Poisonous
bites.
Or
(b) Give the antidote for the following and
explain.
(i) disinfectant (ii) alcohol poisoning
(iii) salicylate poisoning (iv) alkaloid poisoning.
17. (a) Write the biological importance of potassium,
iodine and copper.
Or
(b) What are the uses of aluminium acetate,
ferrous fumarate, ferric ammonium citrate.
18. (a) Explain the air borne diseases.
Or
(b) Explain the water borne diseases.
19. (a) How is the amount of cholesterol determined
by Sackett's method?
Or
(b) Explain the following:
(i) Determination of blood sugar by follin
and Wu method.
(ii) Benedict's test.
20. (a) Write the deficiency diseases and uses of
vitamins B_1 , B_6 , B_{12} and C .
Or
(b) Write the deficiency diseases and uses of
vitamin A , D , E and K .

Reg. No. :

**Code No. : 41111 E Sub. Code : JSCH 4 A/
SSCH 4 A**

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Fourth Semester

Chemistry — Main

Skill Based Subject – CHEMISTRY IN MEDICINE

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

- Which is a antidote for mercury poisoning?
(a) $MgSO_4$
(b) Dimercaprol injection
(c) Both (a) and (b)
(d) None
- Bleeding from the artery has the colour
(a) bright red (b) blackish red
(c) yellow (d) orange
- Which is the used of alum?
(a) for stopping the bleeding
(b) water purification
(c) pharmaceuticals
(d) all the above



4. The biological importance of iodine is
 - (a) synthesis of thyroid hormone
 - (b) iodine tincture
 - (c) iodine ointments
 - (d) all the above
5. The water borne disease is
 - (a) diphtheria
 - (b) tuberculosis
 - (c) malaria
 - (d) cholera
6. Respiratory disorder is due to
 - (a) Epilepsy
 - (b) Asthma
 - (c) Typhoid
 - (d) Cholera
7. Normal level of haemoglobin in males is
 - (a) 15.8 g percent
 - (b) 10.8 g percent
 - (c) 11.8 g percent
 - (d) 9.0 g percent
8. The sugar in urine is determined by
 - (a) Sackett's method
 - (b) Follin and Wu method
 - (c) Benedict's test
 - (d) None
9. Scurvy is due to the deficiency of _____ vitamin
 - (a) A₁
 - (b) B₁
 - (c) C
 - (d) B₁₂
10. Water soluble vitamin is
 - (a) A
 - (b) C
 - (c) E
 - (d) K

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Write notes on:
 - (i) Important rules of first aid
 - (ii) First aid kit.

Or

 (b) Explain the antidote for acid and alkali poisoning.
12. (a) Discuss the uses of alum and dried aluminium hydroxide gel.

Or

 (b) Write the biological importance of sodium and calcium.
13. (a) Explain the prevention and treatment method of asthma and epilepsy.

Or

 (b) Write a note on insect borne diseases.
14. (a) Give the composition of food and blood grouping.

Or

 (b) Write the detection of diabetes and anaemia.
15. (a) What are vitamins? How are they classified? Write their sources.

Or

 (b) Write the treatment of ulcer and skin diseases.

