

M.Sc. (I.C.) Sem. 4

19 AUG 2020

: નોંધ :

Sub code: 3572

૧. દરેક પ્રશ્નનો {a} અથવા {a(i)} અને {a(ii)} જ લખવાના રહેશે.  
 ૨. પ્રશ્ન : ૧[a] અથવા ૧[a(i)] અને ૧[a(ii)] તથા ૨[a] અથવા ૨[a(i)] અને ૨[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૮ માર્ક્સ રહેશે.  
 ૩. પ્રશ્ન : ૩[a] અથવા ૩[a(i)] અને ૩[a(ii)] તથા ૪[a] અથવા ૪[a(i)] અને ૪[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૭ માર્ક્સ રહેશે.  
 ૪. દરેક પ્રશ્નનો પ્રશ્ન નં ૧(b), પ્રશ્ન નં ૨(b), પ્રશ્ન નં ૩(b) તથા પ્રશ્ન નં ૪(b) (ટુંકા પ્રશ્નો) વિદ્યાર્થીએ લખવાના નથી.

Que.1 (A) What do you mean by sulpha drugs? Give preparation and medicinal application of sulphathiazole. [14]

OR

Que.1 (A-1) Give detail account on antimalarial drugs. [07]

(A-1I) Write a note on analgesic drugs in detail. [07]

Que.1 (B) Give the answer of following question. (Any four) [04]

- (1) Malaria is caused by \_\_\_\_\_ micro-organism.
- (2) Give structure of salol.
- (3) Give any one name of anticancer drug.
- (4) Give structure of PAS.
- (5) A patient of diabetes is unable to metabolize \_\_\_\_\_ at a normal rate.
- (6) Which methods are used to prevent cancer?

Que.2 (A) What is an antiseptic drug? Give preparation and medicinal application of vioform. [14]

OR

Que.2 (A-1) Give detail account on anesthetic drugs. [07]

(A-1I) Write a note on antibiotic drugs in detail. [07]

Que.2 (B) Give the answer of following question. (Any four) [04]

- (1) Antiseptic was derived from Greek word \_\_\_\_\_.
- (2) Which drugs regulate abnormal activity of involuntary muscles?
- (3) Give any one name of antileprotic drug.
- (4) Give structure of diethyl ether.
- (5) The common parasites in India are \_\_\_\_\_ worms.
- (6) Give structure of benadryl.

Que.3 (A) How industrially aspirin was manufactured? Explain with flow diagram. [14]

OR

Que.3 (A-1) Give synthesis, properties and medicinal application of darvon. [07]

(A-1I) Draw only production flow sheet of insulin. [07]

- Que.3 (B) Give the answer of following question. (Any three) [05]
- (1) D – Propoxyphene hydrochloride is also known as \_\_\_\_\_.
  - (2) Which company was discovered darvon?
  - (3) Give molecular range of insulin.
  - (4) Which product was obtained by interaction between aniline and acetic acid?
  - (5) Give melting point of acetanilide.
- Que.4 (A) What is GLP? Discuss it in detail. [14]
- OR
- Que.4 (A-1) Give synthesis and medicinal application of isoniazid. [07]
- (A-1I) Give synthesis and medicinal application of mebonadazole. [07]
- Que.4 (B) Give the answer of following question. (Any three) [05]
- (1) Give full name of GMP.
  - (2) Who issued guideline for GMP?
  - (3) In which year codexes publication was started?
  - (4) Give full name of WAH.
  - (5) INAH is also known as \_\_\_\_\_ drug.