

Pathology & Microbiology

[New Scheme w.e.f. 2009]

Time: 3 Hours

Max Marks: 80

- Note: 1.) *Attempt all questions.*
2.) **USE SEPARATE ANSWER BOOK FOR EACH SECTION.**
3.) **The Student must write O.P. Code in the space provided on the Title page of the respective Answer Book.**

SECTION - A

[40 Marks]

QP Code: BTN201 [Pathology]

1. **Write short Notes up to 5 lines in length.** [5x3=15]
(a) Coagulative necrosis.
(b) Air embolism
(c) Peripheral blood findings in iron deficiency anaemia
(d) Volkmann's ischaemia
(e) Psoriasis
2. **Answer the following question upto 3 pages in length.** [10]
Discuss in detail etiopathogenesis, pathological changes and complications of bronchiectasis.
3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
(a) Describe in detail chemical mediators of inflammation.

OR

- (b) Discuss in detail etiopathogenesis, pathological features and laboratory diagnosis of rheumatic heart disease.

SECTION - B

[40 Marks]

QP Code: BTN202 [Microbiology]

4. **Write short Notes up to 5 lines in length.** [5x3=15]
(a) Bacterial spore
(b) Autoclave
(c) Various sources of infection
(d) Cryptococcosis
(e) Infections caused by streptococcus pyogenes
5. **Answer the following question up to 3 pages in length.**
Name various hepatitis viruses. Discuss morphology, routes of transmission, of hepatitis B virus. [10]
6. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
(a) Define urinary tract infections. Name various causative organisms and discuss laboratory diagnosis of the same.

OR

- (b) Discuss sexually transmitted infections with special reference to various causative organisms and their laboratory diagnosis.