

Duration: 2 1/2 hrs

Total Marks: 60

N.B:1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary.

- | | | |
|------|--|----|
| | | 16 |
| Q.1) | Answer the following | |
| (A) | Describe REC physiology. | |
| | OR | 6 |
| (A) | Explain different types of WBC. | |
| (B) | What is inflammatory bowel disease? | 6 |
| | OR | |
| (B) | What are primary lymphoid organs? | |
| (C) | Explain life cycle of RBC. | 4 |
| | OR | |
| (C) | Describe mechanism of rheumatoid arthritis. | |
| Q.2) | (A) What is epidemiology? | 16 |
| | OR | |
| (A) | Describe history of epidemiology | 6 |
| (B) | Explain direct transmission of diseases. | |
| | OR | 6 |
| (B) | Explain the term describe the disease under the study of descriptive epidemiology. | |
| (C) | Describe airborne- transmission of diseases, along with fomite-borne diseases. | 4 |
| | OR | |
| (C) | What are advantages and disadvantages of cohort study? | |
| Q.3) | (A) Describe programs & activities of WHO. | 16 |
| | OR | 6 |
| (A) | Explain rabies vaccine. | |
| (B) | Describe UNAIDS. | 6 |
| | OR | |
| (B) | Mention different types of hepatitis and vaccine. | |
| (C) | What is live attenuated vaccine for influenza? Describe types of vaccine for the same. | 4 |
| | OR | |
| (C) | Write a short note on tuberculosis control programme. | |

- Q.4) Attempt Any **THREE** of the following:
- (i) Write a short note on ABO blood group.
 - (ii) What are platelets?
 - (iii) What is epidemiological triad?
 - (iv) Give a detailed note on vector-borne diseases.
 - (v) How malaria can be controlled under malaria control program?
 - (vi) Enlist activities of red cross.