**Write short notes on:**

1. Enumerate the types of carrier. Explain with example, how are they important in disease transmission and occurrence of epidemics?  
2. Epidemiological determinants of measles and preventive measures you will adopt for the district? 
3. Steps of investigation of an outbreak of hepatitis A. 
4. Epidemiology, preventive and control measures of hookworm infestation. 
5. a) Burden of human rabies.  
   b) What measures are required to control rabies in India? 
6. a) Epidemiological determinants of tetanus.  
   b) How certification is carried out to declare India neonatal tetanus free? 
7. a) Define syndromic approach.  
   b) Write algorithm of syndromic management of urethral discharge in males. 
8. What personal protective equipments are required for H1N1 infection? Write in brief diagnostic preparation and waste disposal system required in the hospital. 
9. Enumerate indicators in the Kala Azar elimination. Write control measures adopted in India against Kala Azar. 
10. Enumerate Rickettsial diseases common in India. What preventive and control measures are needed for scrub typhus?

**Important instructions:**
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.