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.

Write short notes on:

1. a) What are emerging and re-emerging infectious diseases?  
   b) What are the factors responsible for such emergence?  
   c) Antimicrobial resistance.  
   
2. a) Ban on TB Serology.  
   b) Relevance of 2nd dose of measles vaccine.  
   c) Mission Indradhanush.  
   
3. a) What are sustainable development goals?  
   b) Briefly describe the various goals and targets incorporated in it.  
   
4. a) What is National Health Mission (NHM)?  
   b) Various infrastructure and manpower development activities for attaining the desired results out of NHM.  
   
5. a) Pregnancy tracking.  
    b) Janani-Shishu Suraksha Karyakram(JSSK).  
    c) Special newborn care unit.  
    d) Home based newborn care.  
    
6. a) NET-EN (Norethisterone enanthate).  
    b) Management of mercury waste.  
    c) Preventive strategies for curbing air pollution.  
    
7. a) Growth charts as per WHO child growth standards.  
    b) Life style and healthy aging.  
    
P.T.O.
8. a) What are genetic disorders? 1+3+3+3
   b) How are they classified?
   c) What is the role of genetic predisposition in common disorders?
   d) What are the advances in molecular genetics?

9. a) What is planning and management? 2+8
    b) Steps in health planning.

10. a) NITI Aayog. 3+3+2+2
    b) Outcome indicators for 12th plan.
    c) Integrated Rural Development Program.
    d) Indian Public Health Standards for sub centres.

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