Write short notes on:

1. a) What is Evidence-based Medicine?  
   b) What are the different kinds of evidence and their hierarchy?  
   c) What are the applications of Evidence-based Medicine?  

2. a) What do you understand by the self-actualization theory of Maslow?  
   b) What are its implications in practice?  

3. a) What are the principles of classifications in Psychiatry?  
   b) Principles of contemporary classifications in psychiatry and its purpose.  

4. What is genetic epidemiology? Describe three types of genetic studies related to it.  

5. a) Define defense mechanism and its purposes.  
   b) Defense mechanisms used in obsessive compulsive disorder.  

6. a) Define grief, bereavement and mourning.  
   b) Stages of grief.  

7. Enumerate the functions of frontal lobe. Write the clinical features of frontal lobe syndromes.  

   b) Implications and relevance of dopamine in Psychiatry.  

9. a) Differentiate between sensation and perception.  
   b) Define hallucination and give its differentiations from normal percept.  
   c) What is the clinical significance of pareidolia?  

10. a) What are NMDA receptors? Describe their location and functions.  
    b) What is their relevance to Schizophrenia?