

**End Semester Examinations - 2015-16 Even Semester - May 2016**

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**13MS101 Technology for Societal Needs**

**Set A**

**Time : 3 hrs**  
**Total Marks: 100**

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1. i) Describe the social concern of Karunya University as reflected in its Vision, Mission and Goals. (15 Marks)  
ii) What are the four major focal areas of research of Karunya University? (5 Marks)  

**OR**
2. Discuss the needs and pains of destitutes in society. As Karunya student suggest some remedial measures to secure the destitutes. (20 Marks)
3. i) What are the key concepts of Water security? (10 Marks)  
ii) Explain the principles of Water Resource Development as professed in Ireland's Dublin's Principle:- (10 Marks)  

**OR**
4. Identify the principle users of water and list their advantages and disadvantages. (20 Marks)
5. Write brief Notes on
  - i. Dimensions of food security (10 Marks)
  - ii. Durations of food security (10 Marks)

**OR**
6. i) How will you measure food security with the help of IPC scale? (10 Marks)  
ii) What are the underlying concepts of Food science and Engineering? (10 Marks)
7. Highlight the role of computers in Health Technology with examples:- (20 Marks )  

**OR**
8. Discuss the significant innovations in the field of Medical industry quoting few examples:- (20 Marks)
9. Identify the principal users of energy in the society. How will we control the wastage of the energy? (20 Marks)

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**Wishing you All the Best**

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