Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **14FP2012** | **Duration :** | **3hrs** |
| **Sub. Name :** | **FOOD PACKAGING TECHNOLOGY** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Explain the importance of Accelerated Shelf Life Testing (ASLT) of food commodities. | CO1 | 10 |
| b. | Elaborate the various functions of packaging with examples. | CO2 | 10 |
| (OR) | | | | |
| 2. |  | Discuss the role of various environmental factors that affect the quality of packaged food. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Illustrate in detail about the manufacturing process of three piece cans with neat sketch. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | Enumerate the method of manufacture of glass bottles with neat sketch. | CO2 | 20 |
|  |  |  |  |  |
| 5. |  | Discuss the manufacture of paper and paperboard with neat diagram. | CO3 | 20 |
| (OR) | | | | |
| 6. | a. | Explain the extrusion blow moulding process of manufacture of rigid plastic containers with diagram. | CO1 | 10 |
| b. | Write a note on double seam method of sealing metal containers. | CO3 | 10 |
|  |  |  |  |  |
| 7. |  | Explain the working of form fill sealing machines with labeled sketch. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Write a note on printing on packages. | CO2 | 10 |
| b. | Give an explanation about retort pouch packaging. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Explain in detail about active packaging and its applications in foods. | CO3 | 20 |