

Total number of printed pages-3

53 (FPT 601) FPTC

2017

FOOD PACKAGING TECHNOLOGY

Paper : FPT 601

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer **any five** questions out of **seven** given.

1. (a) Define packaging and enlist the significance of packaging of food. 3
- (b) Differentiate between primary and secondary packaging. 3
- (c) Explain the purpose of lacquering of can used for food canning. List the names of *any four* lacquers used for can. 6
- (d) Describe the Hot-filling a Hot packing process. 8

Contd.

2. (a) With a neat diagram explain the manufacturing process of glass bottle by blow and blow process.

12

(b) With a neat diagram explain the making of 3-piece can. 8

3. Write notes on **any four** of the following :
5×4

(a) Aseptic packaging

(b) Flash-18 process

(c) Smart packaging

(d) Double scanner

(e) Aluminium foil.

4. (a) What is Migration? List the material which can be migrated from packaging to food. 8

(b) Draw the sketches for manufacturing process of 2-piece can by DWI-technique. Explain each step.

12

5. State and explain the various layers of the tetra packaging system with a neat diagram. Describe the specific functions of each layer. 20
6. (a) What do you mean by Active packaging system? How it works? 8
- (b) Explain the various active scavenger and active releaser used for active packaging system help to improve the food safety and quality. 12
7. (a) Describe in details the modified atmosphere packaging (MAP) which is used for food storage and packaging purposes. 14
- (b) Discuss the role of plasticizer used for making plastic container. 6
-