

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted from the academic year 2008-09)**

**SUBJECT CODE: VC/AC/FP44**

**B. Sc. DEGREE EXAMINATION, APRIL 2010**  
**BRANCH V (A) PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**  
**BRANCH VI(A) – ADVANCED ZOOLOGY AND BIOTECHNOLOGY**  
**FOURTH SEMESTER**

**COURSE : ALLIED – CORE**  
**PAPER : FOOD PACKAGING & POST HARVEST TECHNOLOGY**  
**TIME : 3 HOURS** **MAX. MARKS: 100**

**SECTION-A**

**ANSWER ALL QUESTIONS:**

**1. Expand the following: (3x1=3)**

- a) EVA
- b) PET
- c) PVC

**Answer in one or two sentences: (9x3=27)**

- 2. Natural preservatives.
- 3. Composite containers
- 4. Perigo factor
- 5. Candling.
- 6. MAP
- 7. Cold sterilization.
- 8. Extruded food.
- 9. Aseptic packaging.
- 10. Blanching

**SECTION – B**

**(5x6=30)**

**ANSWER ANY FIVE OF THE FOLLOWING IN ABOUT 300 WORDS**

11. Give an account of fortification technology.
12. Describe the techniques for packaging of meat.
13. Explain the methods for assessing the quality of foods.
14. Mention the important properties for packaging of Biscuits.
15. List the precautions to be observed in the packaging of fish.
16. Write notes on any one fermented product.
17. Discuss the deteriorative character of Spices.

**SECTION – C**

**(2x20=40)**

**ANSWER ANY TWO OF THE FOLLOWING IN 1000 WORDS**

18. Explain in detail the processing of milk and milk products.
19. Write an essay on packaging material and functions.
22. Discuss the physical principles of food processing using high and low temperature.
23. Write a detailed account on
  - a) Cereal and Oilseed processing.
  - b) Plastics in food packaging

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