

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.**  
**(For candidates admitted during the academic year 2004-05 & thereafter)**

**SUBJECT CODE : PH/MO/PG14**

**B.Sc. DEGREE EXAMINATION NOVEMBER 2007**  
**BRANCH III - PHYSICS**  
**FIRST SEMESTER**

**COURSE : MAJOR – OPTIONAL**  
**PAPER : PHOTOGRAPHY**  
**TIME : 3 HOURS** **MAX. MARKS : 75**

**SECTION – A**

**ANSWER ALL QUESTIONS: ( 30 x 3 = 30 )**

1. Explain the basic function of a Shutter.
2. Explain angle of view.
3. Write a note on “Focal length” of a lens.
4. What do you understand by the term “Film speed”?
5. What are F-numbers?
6. What are the characteristics to be considered in selecting a film?
7. Explain the role of water in film processing.
8. List some of the prominent chemicals used in printing process.
9. Explain the role of fixing agents.
10. Give the order of trays in the developing process.

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS: ( 5 x 5 = 25 )**

11. Discuss the relationship between aperture and shutter.
12. Write a note on the following film characteristics (a) grain and (b) contrast.
13. What are filters? List some commonly used filters.
14. Explain the basic principle of film developing.
15. Explain any one of the contact printing method.
16. Describe “Burning and dodging” technique in printing.
17. Explain the need of a flash unit. What do you understand by flash synchronization?

**SECTION – C**

**ANSWER ANY TWO QUESTIONS: ( 2 x 10 = 20 )**

18. Explain (a) wide angle lenses and (b) Telephoto lenses.
19. Explain in detail how a film captures the scene that is photographed.
20. Describe a step by step procedure for making enlargements.
21. What are the components of a basic camera? Explain range finder camera. (4+6)



