

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.**  
**(For candidates admitted during the academic year 2008-09 & thereafter)**

**SUBJECT CODE : PH/ME/TP24**

**B.Sc. DEGREE EXAMINATION APRIL 2010**  
**BRANCH III - PHYSICS**  
**SECOND SEMESTER**

**COURSE : MAJOR – ELECTIVE**  
**PAPER : TECHNIQUES OF PHOTOGRAPHY**  
**TIME : 3 HOURS** **MAX. MARKS : 75**

**SECTION – A**

**ANSWER ALL QUESTIONS: (10 x 2 = 20)**

1. What is a charge coupled device ?
2. Define negative.
3. What do you understand by exposure time ?
4. Distinguish soft light from hard light.
5. Give the advantages of view camera.
6. Write the characteristics to be considered in selecting a film.
7. What is a wetting agent ?
8. Mention the equipments and accessories that are necessary for black and white printing.
9. List out the advantages of stainless steel reels.
10. List out the different modes of indoor lighting.

**SECTION – B**

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

11. What is a photogram ? How can you make a photogram ?
12. Explain leaf shutter and focal plane shutter.
13. Explain film loading.
14. Discuss the 'dodging' and 'burning in' techniques in printing.
15. Explain f - numbers.
16. Compare a human eye with a camera.
17. Write a note on the following :
  - a) aperture
  - b) types of shutters

**SECTION – C**

**ANSWER ANY TWO QUESTIONS:**

**(2 x 15 = 30)**

18. What is an enlarger ? Explain condenser and diffusion enlargers.
19. Discuss the various types of filters used in cameras.
20. Explain the different types of lenses used in cameras.
21. Explain SLR and TLR cameras.

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