

SENIOR SECONDARY COURSE PHYSICS

Student's Assignment

Maximum Marks : 50

Time : 1 1/2 hrs.

Instructions

- * Answer all the questions on a separate sheet of paper.
- * Give following information on your answer sheet.

(i) Name (ii) Enrolment No.
(iii) Subject (iv) Assignment No.
(v) Address

- * Get your assignment checked by the Physics teacher at your study centre so that you get positive feedback about your performance.

Do not send your assignment to National Open School

1. Who was Leonardo da Vinci ? (1)
2. Define angle of view ? (1)
3. Give two properties of orthochromatic film. (1)
4. What makes a photographic film fast or slow ? (1)
5. What is the use of a solar cell ? (1)
6. What determines the quality of magnetic tapes ? (1)
7. Give an important feature of compact disc ? (1)
8. What is the full form of DVD ? (1)
9. What is the use of rotating video head ? (1)
10. Mention two methods of film development ? (1)
11. Describe two characteristics of the tape ? (2)
12. Draw a labelled block diagram for producing video signals ? (2)
13. Describe any four common characteristics of all the video disc system ? (2)
14. What are the main functions of a practical tape recorder ? (2)
15. What do you mean by erasing and why is it necessary ? (2)
16. Describe the importance of the depth of field and depth of focus ? (2)
17. With the help of diagram, compare the working of camera and human eye. (2)
18. Describe the main features of different types of cameras ? (2)

19. Describe special features of zoom lens? (2)
20. What is the disadvantage of video disc system? (2)
21. Describe the importance of the filters in photography? (3)
22. What are various lens defects? How these defects are minimised? (3)
23. Explain the structure and characteristics of the film? (3)
24. What is a transport system in photography? Explain the precautions which are necessary in a transport system? (3)
25. What do you mean by film processing? Describe various steps involved in the processing of exposed film? (4)
26. Justify the need of a compact disc? Describe the construction, process of manufacture and working of a compact disc? (4)