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**4636**

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH/APRIL-2019**  
**DEEE - FIFTH SEMESTER EXAMINATION**  
**ELECTRICAL UTILIZATION**

Time: 3 Hours

Max.Marks:80

**PART-A****10x3=30M**

**Instructions:** 1) Answer all questions. Each question carries three marks.  
 2) Answer should be brief and straight to the point and shall not exceed five simple sentence.

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|---|-------|
| 1. Define i) MHCP ii) MSCP  | 1½+1½ |
| 2. Define luminous intensity and lumen                            | 1½+1½ |
| 3. What do you understand by local lighting and general lighting. | 1½+1½ |
| 4. State the requirements of good heating element.                | 3m    |
| 5. List the applications of direct resistance heating.            | 3m    |
| * 6. Write any three advantages of welding.                       | 3m    |
| 7. Write about working of a refrigerator.                         | 3m    |
| 8. Name four basic stages of a refrigeration cycle.               | 3m    |
| 9. List the disadvantages of CFLs.                                | 3m    |
| 10. Write a brief note on energy storage devices.                 | 3m    |

