

ACPDM

Assignment Booklet

**Advanced Certificate in Power
Distribution Management**

ACPDM

Course Code

BEE-001

BEE-002

BEE-003



School of Engineering and Technology
Indira Gandhi National Open University
Maidan Garhi, New Delhi – 110 068

Jan/July 2026

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Dear Student,

This booklet contains the assignments of ACPDM programme for the courses of BEE-001 BEE-002 & BEE-003. It is for your kind information that each course has one assignment, which is based on course material. You are advised to **write your responses in your own words**. This will improve your comprehension skills. Further, you may note that in case the Coordinator / Counselor may summarily reject your assignment response happens to be a copy of assignment response sheet submitted by another student, your assignment **and/or your marks might be made null and void**. Therefore, you are strongly advised not to allow any other student to copy it. **Your assignment marks carries 30%weightage in your Term End Examination (TEE).**

This to inform that minimum duration of this programme is 6 months and maximum duration is 2 years. Please note that if you fail to submit the assignment of any course in the registered session of 6 months then same set of assignment is valid for one year, after one year you have to upload fresh set assignment of current year for submission.

ou need to submit the assignments as under:

In January Session- By 15th May (For June TEE) ;

In July Session- By 15th November (For December TEE)

You can submit your assignment-

At your concern **Study Centre/Regional Centre** on or before the due date (in person).

Student are advised to get the acknowledgement/receipt while submitting assignment at Study Centre/Regional Centre concerned in order to fill up assignment submission details in your term end examination form.

We strongly feel that you should retain a photocopy of your assignment answer sheet duly acknowledged by the office of the Coordinator/Local Study Centre (LSC)/ Regional Centre (RC) to avoid any unforeseen situation.

For Formatting Your Assignments

- **On the top of the first page of your Tutor Marked Assignment (TMA) answer sheet,** please write the details exactly in the following format :

Regional Centre (RC) Code:	Date: _____
Local Study Centre (LSC) Code:	
Enrolment No. _____	Course Code : _____
Name: _____	Course Title : _____
Address: _____	
_____	E mail:
Signature:	Mobile No.:

- Please follow the above format strictly to facilitate evaluation and avoid delay.
- Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- Leave 3 cm margin on the left, top and bottom of your answer sheet.
- Your answer should be logical and coherent.
- While solving problems, clearly indicate the question number along with the part being solved. Recheck your work before submitting it.

Wishing you all good luck!

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TUTOR MARKED ASSIGNMENT**COURSE CODE: BEE-001****POWER DISTRIBUTION SECTOR****Maximum Marks: 100**
Weightage in TEE : 30%**Last Date of Submission: May 15, 2026 (For June TEE),**
Nov 15, 2026 (For December TEE)**Note:** All questions are compulsory and carry equal marks.

- Q.1 (a) What configurations of feeder networks can be used in a distribution system? Discuss their suitability in different circumstances.
- (b) Distinguish between T&D losses and AT&C losses. What factors contribute to T&D losses in rural areas?
- Q.2. Outline the provisions of the Energy Conservation Act, 2001 and the Electricity Act, 2003 that can help improve the performance of the power sector.
- Q.3 Discuss the major issues and challenges in the power distribution sector.
- Q.4 Are the current power distribution reforms sufficient to achieve the goal of providing reliable and good quality power to all? Justify your answer.
- Q.5 Discuss the role of the Central and State governments, Regulatory bodies, power utilities and the consumers in implementing distribution reforms.
- Q.6 (a) Make a list of the substation equipment with brief description.
- (b) What is HVDS? Outline its advantages over the LT system.
- Q.7 (a) What do you understand by load scheduling and Unscheduled Interchanges?
- (b) What are the activities involved in Distribution System Planning?
- Q.8 (a) List the different types of underground cables in use today. What criteria are used for the selection of these cables?
- (b) Enunciate the general operation and maintenance practices for substation equipment, distribution lines and capacitors.
- Q.9 (a) Analyse the reasons for transformer failure in your utility.
- (b) Discuss how the utilities can carry out revenue protection through use of innovative metering, billing and collection techniques.
- Q.10 (a) Explain the concept of benchmarking. Distinguish between different types of benchmarking.
- (b) Explain the importance of KPIs in Power Sector.