



Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering
An Autonomous Institute
(Affiliated to Savitribai Phule Pune University)

SET -

SEMESTER

End Term Examination

Third Year B. Tech. (Computer/IT/Mech/EnTC) [Open Elective III] Building Services & Maintenance (BCI6603B) Odd Semester (2022-23)

Total No. of Questions-V

Total No. of Printed P

[Time: 02 Hr. 30 min.]

[Max. Ma

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Instructions:

IMP: Verify that you have received a question paper with correct course, code, branch etc.

- All questions are compulsory.
- Assume suitable data wherever necessary.
- Neat labelled diagrams must be drawn wherever necessary.
- Figure to right indicates full marks.
- Use of a non-programmable calculator is allowed.

Mark

- Q.1 Attempt Q.1 or Q.2 of the following** 10
- A** Explain the special provisions for firefighting lifts. 5
- B** Identify the purpose of illumination. 5
- C** Explain classification of distribution system according to construction. 5
- OR**
- Q.2 Attempt the of the following** 10
- A** List different types of pumps used in firefighting system. Explain jockey pump. 5
- B** Identify the factors required for Light Scheme. 5
- C** Explain the classification of distribution system according feeder connections. 5
- Q.3 Attempt any four of the following** 20
- A** What is basic composition of fire. Explain the relationship of human response with air temperature. 5
- B** In a residential building what can be causes of fire catching in a kitchen. 5
- C** What are the general measures of fire-safety? 5
- D** Explain the purpose of National Building Code of India. 5
- E** Discuss the requirement of good sound absorbent. 5

Q.5	Attempt any five of the following	25
A	Interpret how building life can be increased.	5
B	Examine different factors influencing the decision to carry out maintenance.	5
C	Compare corrective and planned maintenance.	5
D	Explain the defects caused within the construction residential buildings.	5
E	In case of material deficiencies what will be the causes that will lead to maintenance.	5
F	Examine the main reason of maintenance plan to maintain the building.	5

****** End of Question Paper******