

PART C (6 x 5 = 30 Marks)

21. Mention the various barriers for an effective waste heat recovery system. [K₃]
22. Give a detailed account on various steps involved in economic analysis. [K₃]
23. Write short notes on investment cost and load curves in cogeneration system. [K₂]
24. Discuss the various classifications of waste heat recovery exchangers in cogeneration. [K₂]
25. What are the Environmental impacts on cogeneration system? [K₃]
26. Mention the applications of cogeneration in utility sector. [K₃]

PART D (4 x 10 = 40 Marks)

27. Discuss in detail about the organic rankine cycle with illustrative sketch. [K₃]
28. Summarize in detail about the essential consideration for the selection of waste heat recovery device and also outline the potential application of waste heat. [K₄]
29. Enumerate the various applications of cogeneration systems in rural sector and building sector. [K₃]
30. Exemplify in detail about the working of steam turbine cogeneration system and its classification with neat sketch. [K₃]
