Code No: RR411003 **RR** **Set No. 2**

IV B.Tech I Semester Examinations,NOVEMBER 2010
POWER PLANT INSTRUMENTATION
Electronics And Instrumentation Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Discuss the role of lubricating oil temperature control in a power plant instrumentation. [16]
2. Explain in detail with neat sketches combustion control system used in power plants? [16]
3. Explain the laws of radiation and pyrometry. Describe the principle of operation of total radiation pyrometer with a neat diagram. [16]
4. Explain how power is generated in Wind mills. [16]
5. What is reheater?Explain itin detail.[16]
6. With a neat diagram explain the principle of operation of a single phase electrodynamometer type of Power factor meter. Sketch the phasor diagram, mention its advantages. [16]
7. Explain about trim analyzers. Mention any two of its applications. [16]
8. Explain the Controllable parameters in nuclear power plant. [16]

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Code No: RR411003 **RR** **Set No. 4**

IV B.Tech I Semester Examinations,NOVEMBER 2010
POWER PLANT INSTRUMENTATION
Electronics And Instrumentation Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain the laws of radiation and pyrometry. Describe the principle of operation of total radiation pyrometer with a neat diagram. [16]
2. Explain about trim analyzers. Mention any two of its applications. [16]
3. Explain in detail with neat sketches combustion control system used in power plants? [16]
4. Explain how power is generated in Wind mills. [16]
5. Discuss the role of lubricating oil temperature control in a power plant instrumentation. [16]
6. Explain the Controllable parameters in nuclear power plant. [16]
7. With a neat diagram explain the principle of operation of a single phase electrodynamometer type of Power factor meter. Sketch the phasor diagram, mention its advantages. [16]
8. What is reheater?Explain itin detail. [16]

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Code No: RR411003 **RR** **Set No. 1**

IV B.Tech I Semester Examinations,NOVEMBER 2010
POWER PLANT INSTRUMENTATION
Electronics And Instrumentation Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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5. With a neat diagram explain the principle of operation of a single phase electrodynamometer type of Power factor meter. Sketch the phasor diagram, mention its advantages. [16]
6. Explain the Controllable parameters in nuclear power plant. [16]
7. Explain in detail with neat sketches combustion control system used in power plants? [16]
8. Explain about trim analyzers. Mention any two of its applications. [16]

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Code No: RR411003 **RR** **Set No. 3**

IV B.Tech I Semester Examinations,NOVEMBER 2010
POWER PLANT INSTRUMENTATION
Electronics And Instrumentation Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Explain how power is generated in Wind mills. [16]
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3. Explain the Controllable parameters in nuclear power plant. [16]
4. Explain about trim analyzers. Mention any two of its applications. [16]
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6. Explain in detail with neat sketches combustion control system used in power plants? [16]
7. Explain the laws of radiation and pyrometry. Describe the principle of operation of total radiation pyrometer with a neat diagram. [16]
8. What is reheater?Explain itin detail. [16]

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