

2nd Sessional of Heat Transfer (Chemical Engineering, GNDIT-2019)

Hello Chemical Engineers ☐

In this post, I have uploaded the 2nd Sessional of Heat Transfer. This Sessional is for the students of Diploma in Chemical Engineering. This Question Paper appeared in the internal examination of Guru Nanak Dev Institute of Technology(GNDIT). This Paper appeared in the 2019th Internal Examination. This Question Paper is prepared by teachers of Guru Nanak Dev Institutes of Technology. I hope this Question Paper will help you with your studies ☐

SUBJECT: HEAT TRANSFER 4TH SEMESTER

TOTAL MARKS:20

1. Define Grashoff number ?
2. Define Reynolds no. in case of forced convection.
3. Write value of grashoff no. for turbulent flow.
4. What is forced convection? $4 \times 1 = 4$
5. Differentiate b/w natural and forced convection
6. Differentiate b/w thermal boundary layer and boundary layer $3 \times 2 = 6$
7. Explain forced convection with diagram and show boundary layers.
8. Explain significance of Prandtl No. in forced convection $5 \times 2 = 10$

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