

(Affiliated by VTU, Approved by AICTE, Accredited by NAAC)
No. 67, BGS H & E City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru-60



(NBA Accredited)

Beyond Syllabus Topics Taught

Semester: 3rd

Academic Year - ODD 2021-2022

	Academie Teal - ODD 2021-202				
SI	Faculty Name	Beyond Syllabus Topics			
NO	Faculty Name	Topic	Date	Time	Signature
.1	pushpa.s.	Advanced calculus concepts	1/12/21	1.30 to 2.30	_\$
		Advanced calcul application	8/12/21	1:30 to 2:30	\$
	18MATBI	Advanced Mathe concepts	15/12/21	1:30 102:30	
2	Dr. Vitala, H.R.	Shear fusice and Bending Moment	5/01/22	1.30 102.30	02000
	BME32	persion-erifical word.	27/01/22	9.30 tolo30	STEAD
		Numerical Exam problems on columne	31/01/22	8.30 109,30	Ø COLO
3	Naveon kuman	Explained steam power plant, working	9/12/21	1-30 D 9W80	40 -
	18ME33,	Enployed working of by Looule power plont	411/2	9100 AM	P
		working of Refrigerention System Expulsioned	21/22	10:45 AM	A
4	G. Anil Kumas.	Production of Companiles - 1	7/3/22	11.45-1245	En Jus
	18ME34	low +1 tetive relationship of lomposite	1/3/22	11.65-1245	for Join
		Production of Composita -2	8/3/22	9,30-1030	for your
5	Dr. J. satheen,	Capstand and torset lashe.	12/11/21	10. ustonic	Sale
	18ME35A,	Forging	1911122	11-us terzus	Sal -
		Sheet mutal operation	9/2/22	11. w torrar	Selv
6	Shankora.	Case Study video on pluminer Stock APA	12/11/21	4.00 PM	(A b Ex
	D,K. (BME36A,	case studyorkeys - short couplings.	11 12 21	3.00 PM	(e b 8 R
		case study on acilstook applications	3/2/22	9.00 AM	O De

Head of the Department

|| Jai Sri Gurudev||

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No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road Kengeri, Bengaluru – 560 060









SEMESTER: 3RD SEMESTER'A' SECTION

SUBJECT: BASIC THERMODYNAMICS

BY

MR. NAVEENA KUMAR R. R.

ASSISTANT PROFESSOR



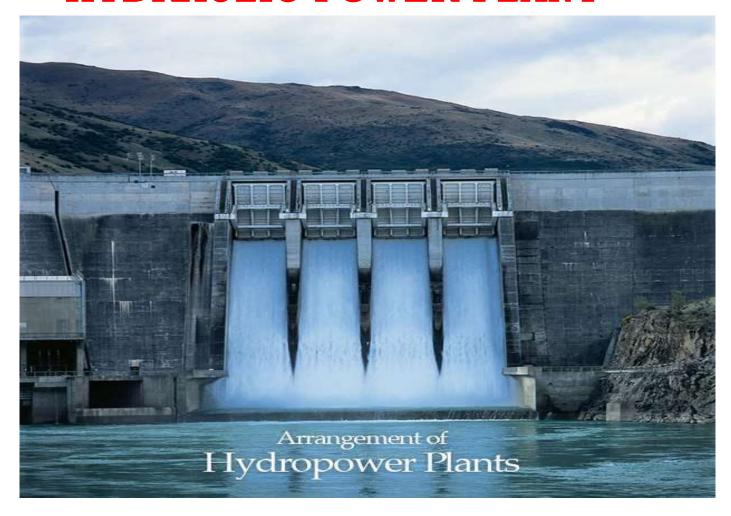








HYDRAULIC POWER PLANT

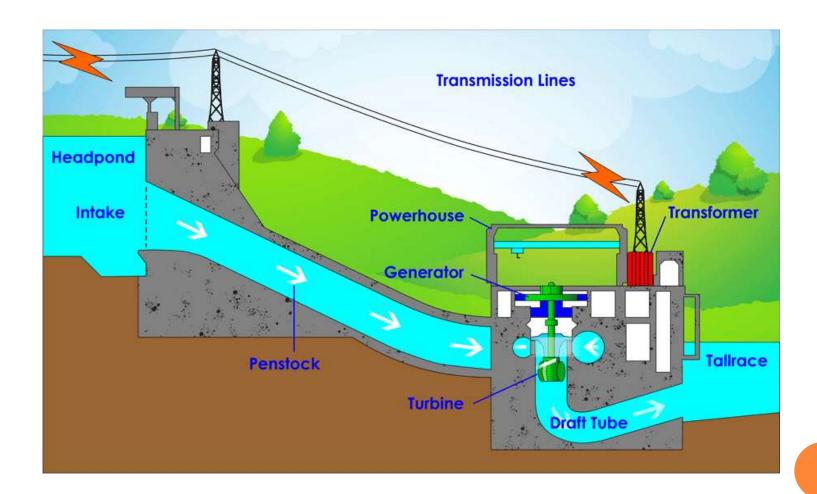








HYDRAULIC POWER PLANT

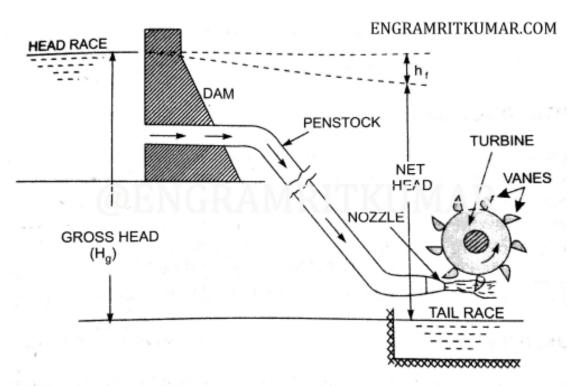






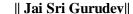


COMPONENTS OF HYDRAULIC POWER PLANT



Layout of a hydroelectric power plant.

- Dam and Reservoir
- Control Gate
- Penstock
- Water Turbine
- Generator
- Surge tank



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Department of Mechanical Engineering







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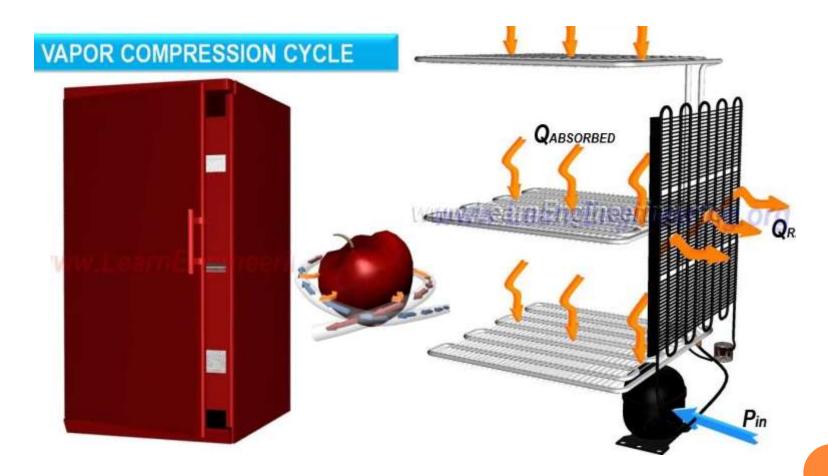








REFRIGERATOR

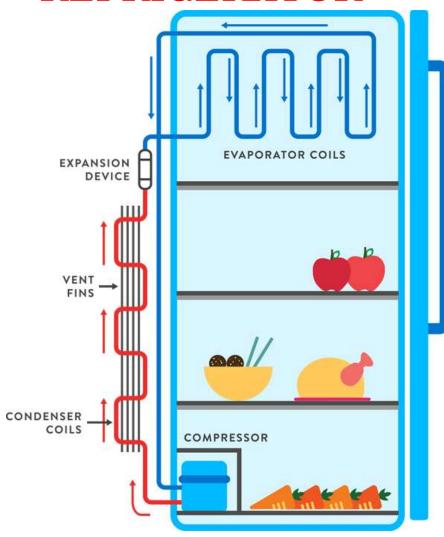








REFRIGERATOR



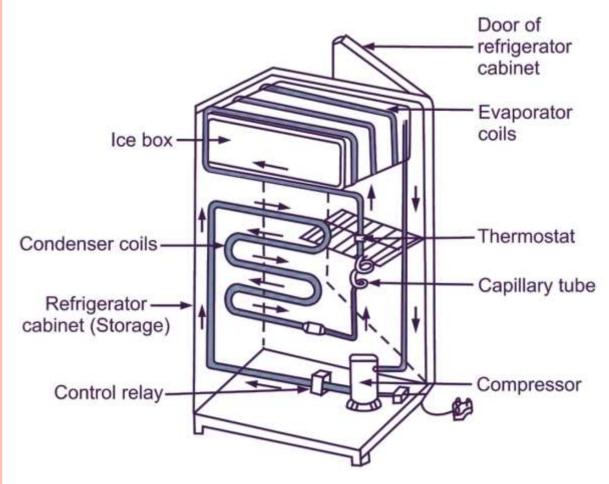
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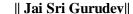


DOMESTIC REFRIGERATOR



- COMPRESSOR
- CONDENSER
- EXPANSION VALVE
- EVAPARATOR

Note : → Arrows indicates flow of refrigerant



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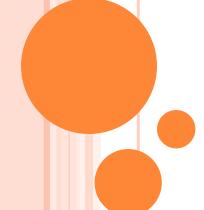
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SREAM POWER PLANT



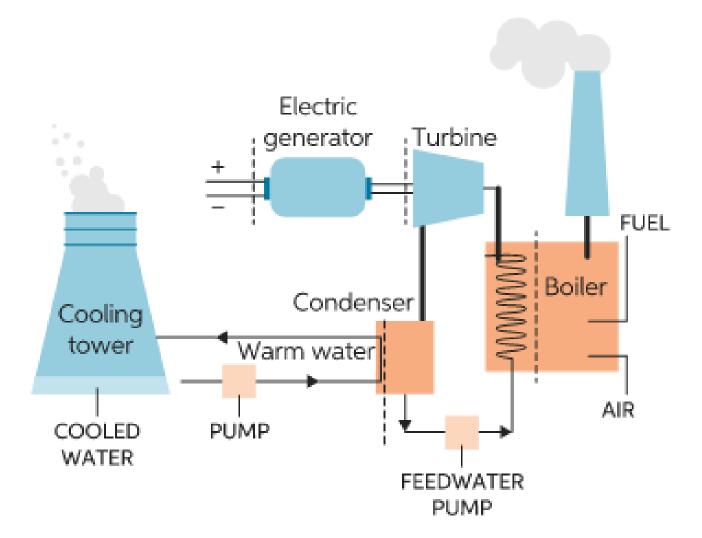
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SREAM POWER PLANT



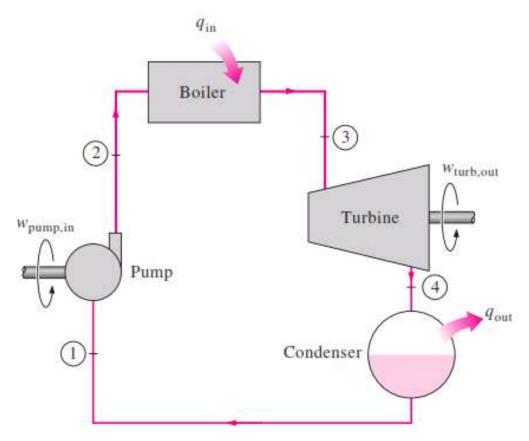
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COMPONENTS OF STEAM POWER PLANT



1-2 Isentropic compression in a pump 2-3 Constant pressure heat addition in a boiler 3-4 Isentropic expansion in a turbine 4-1 Constant pressure heat rejection in a condenser







RANKINE CYCLE

