No. of Printed Pages: 2

**BME-058** 

Maximum Marks: 70

P.T.O.

## DIPLOMA IN MECHANICAL ENGINEERING (DME)

## Term-End Examination

00382

Time: 2 hours

**BME-058** 

December, 2016

## **BME-058: POWER PLANT ENGINEERING**

No	te :	Answer any <b>seven</b> questions. All questions of equal marks.	arry
1.		escribe the different types of water turbines th neat sketch.	10
2.	Ez	plain in detail the wind power generation.	10
3.	(a) (b)		5+5
4.		splain the methods to improve the efficiency of s turbine cycle.	10
5.		escribe both Schmidt-Hartmann and LaMont silers with neat sketches.	10

6.	(a)	Explain the following terms:					
		(i)	Load factor				
		(ii)	Plant capacity factor				
	(b)	Exp	lain the load curve.	5+5			
<b>7</b> .	Describe the Cander type reactor in detail.						
8.	What are the health hazards in setting up a nuclear power plant? Explain in detail.						
9.	(a)	Des	cribe the functions of a governor.				
	(b)	Des	cribe the advantages and disadvantag	es			
		of a	gas turbine engine.	5+5			
10.	What are the various elements of a diesel power						
	pla	nt ?	Explain air intake system with nea	et <sub>.</sub>			
	sketch.						