No. of Printed Pages: 2

BME-058

Maximum Marks: 70

DIPLOMA IN MECHANICAL ENGINEERING (DME)

Term-End Examination June, 2018

00693

Time: 2 hours

BME-058: POWER PLANT ENGINEERING

Note: Attempt any seven questions. All questions carry equal marks.					
1.	(a)	Discuss the socio-economic development of the country due to gas turbine power plants.	E		
	(b)	Differentiate between the open and closed cycle of gas turbine plant.	E		
2.	pow	cuss the various components of Hydro-electric ver plant. Also explain the advantages and advantages over other power plants.			
3.	(a) (b)	with the help of neat diagram. What are the various performance			
4.	dra	parameter of boilers? Explain briefly. Ite the application of Rankine Cycle. Also we the P-V diagram for different processes derive the expression of efficiency.	10		
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Э.	pov	power plant. Also explain the functions of each component with the help of neat diagram.		
6.	(a)	State the functions of Steam Condenser in Steam power plant.	5	
	(b)	Explain the working principle of Reactor in Nuclear power plant.	5	
7.	Nu	viscuss the various components involved in fuclear power plant. Explain each component riefly.		
8.	Describe the various components involved in Wind power plant. Also explain each component briefly.			
9.	Write short notes on any two of the following: $2 \times 5 = 10$			
	(a)	Diesel Power Plant		
	(b)	Gas Turbine Plant		
	(c)	Governing of Steam Turbine		