## Department of Applied Mechanics AM 776 Product Design-I

Date: 27/11/06 MAJOR TEST MA	ase Marks - 60
Time - 2 hrs 10.	30 Am to 12.30 Pm
Note: A Hempt all Questions	
· · · · · · · · · · · · · · · · · · ·	1
ala what aspects of Derign are emphasized	in Human
Q10 What aspects of Derign are emphasized factors in Engineering?	
@16. What do you understand by GLARE & FATIGUE	L VISUAL
FATIGUE.	
Q2a How can Noire be controlled in man in	nade
O2a How can Noire be controlled in man in machines	
026. What do you understand from Hearing	y Loy from
is a what are the effects of Noin on Parko	rmance (4)
a 3b. Explain with escamples the principle a	y Derign
for Extreme Individuals, Adjustable ran	ge and
_0.3b. Explain with escamples the principle of for Extreme Individuals, Adjustable ran for the Average.	<u>.</u>
Q4. Write short Notes an.	
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4	
(ii) Body Strength  (iii) Endurance	
05. What do you understand by choice. Dirplays under what conditions the	. of
selection of Displays made depends	

Q6. What principles guide the design of follow	· · · ·
Mechanical Controls and Took.	
ii Knobs.	
(V) Took	(8)
07. Esplain Acceleration & Deceleration in co	nnection
with Human Body. What are the protect	رمسا
with Human Body. What are the protect provided to avoid the effects.	
Q8. What are the adverse effects of Vibration	<u>~</u>
human body	——————————————————————————————————————
Q9 What do you under found his Audimenti	iction
and the rate of Wind chill and Relative	<i>5</i>
and the vale of Wind chill and Relative	<u>(03)</u>
Q10 What measures can be taken to comb	at the
adverse effect of Temperature.	
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