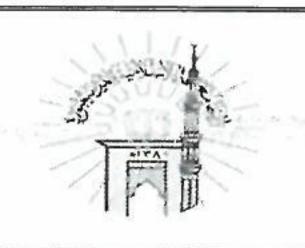
**Islamic University Faculty of Engineering** Department of **Mechanical Engineering** 



## **ME 222- DYNAMICS**

## QUIZ 3

Fall Semester 2016-2017

Name,	Family Name :_				Marks
ID # :		Section # :	Signature:		10
Date: 2	1/11/2016		Max. M	arks: 1 x 10 = 10	
Q.1 The Fgiure Q	the following question. man having the weight of 12 .1. Determine the power gen nount of energy?	20 lb is able to run up	a 10-ft-high fligh uld a 60-W light	bulb have to burn to ex	wn in kpend the
P	FV = Fd	500 the	9	W= 120 1b	
	BRULLAN 2	6 Hb. Ft/s			1Dft
				Fig. Q.1	Joseph .
2 60W=	44.24 Ib. ft/s,	P= Fd		1 hp = 50 lb	15
746hp 7 46hp		$44.24 = \frac{120}{t}$	$\frac{\times 10}{\Rightarrow}$ b	= 120 × 10 = 2 44.24	7.125
2.08 hp x 550 = 44.24 * Far Inc	( M				
SO-E	An ability to identify	formulate and sale	n ongino origi	nroblems	
C O - 5	An ability to identify,  Describe and solve pro	The second secon			
P I_5_10	Apply concepts of wo	rk, power and ener	gy to enginee	ring problems	