



Cairo University



Archaeological Information Systems Program

Student Name: Nada Mostafa Abdul-Aziz Hafez

Course Name: Risk Management











Academic Level: Fourth Year

Submitted To: Dr. Abubakr Moussa

Assignment No. (2)

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Heritage Asset: Giza Platea

	Rare events	Common events	Cumulative processes
 Physical forces	<ul style="list-style-type: none"> • Earthquakes and armed Conflict causing collapse, deformation and breakage. 	<ul style="list-style-type: none"> • Overcrowding. • Visitor Traffic. 	<ul style="list-style-type: none"> • Strong Winds causing erosion of a stone. • Excavations. • Construction works.
 Criminals		Thieves and vandals who have Political, ideological, and economic motivations. For example, Graffiti vandalism inside and outside of the pyramids	
 Fire	<ul style="list-style-type: none"> • Faulty electrical installations or equipment. • Construction and renovation work. • Arson. • Fireworks 		
 Water	<ul style="list-style-type: none"> • Rain and Ground Water causing water erosion. 		
 Pests	Generally not applicable		
 Pollutants		<ul style="list-style-type: none"> • Visitors and Vehicles causing, staining, darkening, etc. 	<ul style="list-style-type: none"> • Industries, Construction, and renovation work causing Discoloration, weakening, erosion, corrosion, etc.
 Light and UV		<ul style="list-style-type: none"> • Sun, electrical light sources (lamps) causing weakening and disintegration. 	
 Incorrect T			The local climate, sunlight, incandescent lamps, and heaters which causing Faster deterioration by chemical reactions, deformation, dehydration, embrittlement, softening, etc.
 Incorrect RH			Local climate causes deformation, cracking, flaking, delamination, weakening, corrosion, mold growth, staining, etc. For example, Khafre's pyramid suffers from RH which causes cracking, flaking, delamination, and weakening of the pyramid
 Dissociation	poor documentation or identification causing Loss of information about heritage assets, (temporary) loss or inability to access heritage items		