



Sanjay Ghodawat University, Kolhapur

2018-19

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester I

ELE 515

Disaster Management

Max Marks: 100

Dec 2018

End Semester Examination (ESE)

Time: 3 Hrs

Friday - 28/12/18

10 to 1 PM.

- Instructions for Students:**
- 1) Use of non-programmable calculator is allowed
 - 2) All questions are compulsory

		Marks	COs	Level
Q1	Solve any Two			
a)	Distinguish between endogenous & exogenous hazards with examples.	04	1	2
b)	Classify disasters and Discuss in brief.	12	1	2
	OR			
b)	Discuss the characteristics of disaster.	12	1	2
Q2	Solve any Two			
a)	Define ecosystem and effect of disaster on it	09	2	1
b)	Write in brief about a. war and terrorism, b. outbreaks of disease and epidemics.	09	2	2
	c) Write in brief about a. Cyclones, b. Tsunamis	09	2	2
Q3	Solve any Two			
a)	Discuss post disaster diseases & epidemics	04	2	2
b)	Illustrate the cyclonic & Coastal hazards prone area in India	12	2	3
	OR			
b)	Illustrate the landslide & avalanches prone area in India	12	2	3
Q4	Solve any Two			
a)	Illustrate the steps of disaster preparedness.	04	3	3
b)	Elaborate the application of remote sensing.	12	3	2
	OR			
b)	Discuss the role of media in emergency management	12	3	2
Q5	Solve any Two			
a)	Define risk assessment. What are the steps involved in risk assessment?	09	4	1
b)	Discuss the techniques of risk assessment.	09	4	2

Q6	c)	Define Disaster risk. Discuss in brief disaster risk management and reduction methods.	09	4	1
		Solve any Two			
	a)	Define Disaster mitigation	04	3	1
	b)	Elaborate the structural mitigation approach :	12	3	2
		a) Selection of sites for industries and residential buildings			
		b) Stability of structure issues and concern.			
		OR			
	b)	Describe non-structural mitigation:	12	3	2
	c)	Land use regulation			
	d)	Building codes and construction			