LECTURE 2

IITG Students



Points: 8/10

1.	Name	of	Student
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2. Roll No. of Student

180101034



- 3. Which is the correct explanation for the time–temperature superposition principle? Select one from the following candidates. (0/1 Points)
 - The mechanical response at long time is equivalent to that at low temperature for a viscoelastic material.
 - The mechanical response at long time is equivalent to that at low temperature for an elastic material.
 - The mechanical response at long time is equivalent to that at high temperature for a viscoelastic material.

The mechanical response at long time is equivalent to that at high temperature for an elastic material.
 Which is irrelevant to the morphology of micro domains in block copolymers? Select one from the following candidates. (1/1 Points)
Sphere
Shish-Kebab 🗸
Lamella
Gyroid
 Which length scale is typical for spherulite? Select one from the following candidates. (1/1 Points)
O.1nm
10nm
10μm
O 1mm
6. Which length scale is typical for stacking structures of the crystalline lamellae? Select one from the following candidates. (1/1 Points)
O.1nm
■ 10nm
<u>10μm</u>
1mm

polymers? Select one from the following candidates. (1/1 Points)	
Hydrogen bond	
Sulphur bond	
Ouble bond	
Ester bond	
. What is the name of the polymer conformation in amorphous phase? (1/1 Points)	
Random coil 🗸	
Random phase	
Random copolymer	
Random approximation	
. Which polymer forms hydrogen bonding in its crystalline unit cell? Select o from the following candidates. (1/1 Points)	ne
Polyethylene	
Polypropylene	
Poly(1-butene)	
Polyamide 66	
X	
Which polymer has geometrical isomers (cis and trans)? Select one from the	h

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following candidates.

(0/1 Points)

Polyethylene
Polypropylene
Polybutadiene
Polystyrene
Which polymer has structural difference in 1,2- and 3,4 addition of diene monomers? Select one from the following candidates. (1/1 Points)
Polyethylene
Polypropylene
Polybutadiene
Polyisoprene
 Which polymer has difference in the stereo-regularity (tacticity)? Select one from the following candidates. (1/1 Points)
Polyethylene
Polypropylene
Polybutadiene
Polyisoprene

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