

**Name :**

**Group :**

## **First English exam**

**Task one : put each prefix next to its meaning , use the exemples to help you get the right meaning . (5p)**

<u><b>Prefixes</b></u>	<u><b>Meanings</b></u>
1. Tele- (telescope)	a. twice or by twos (7)
2. Pre- (preview)	b. one, same, whole (8)
3. Mis- (misunderstanding)	c. again, back (5)
4. De- (delete)	d. under or low (10)
5. Re- (revisit)	e. not (6)
6. Un- (unimpressed)	f. remove or reduce (4)
7. Bi- (biweekly)	g. wrong, bad (3)
8. Mono- (monochrome)	h. many, (usually more than two) (9)
9. Multi- (multiplexor)	i. far, distant (1)
10. Sub- (subschemata)	j. before (2)

**Task two : fill the gaps with the appropriate word formation (4p)**

<b>Noun</b>	<b>Adjective</b>	<b>Verb</b>
Depth	Deep	To deepen
Thickness	Thick	To thicken
Height	High	To heighten
Speed	Fast	To speed up

**Task three : (3p)**

What are the three main types of transmission modes in Telecom? Explain them briefly

Simplex : one way communication, either send or receive

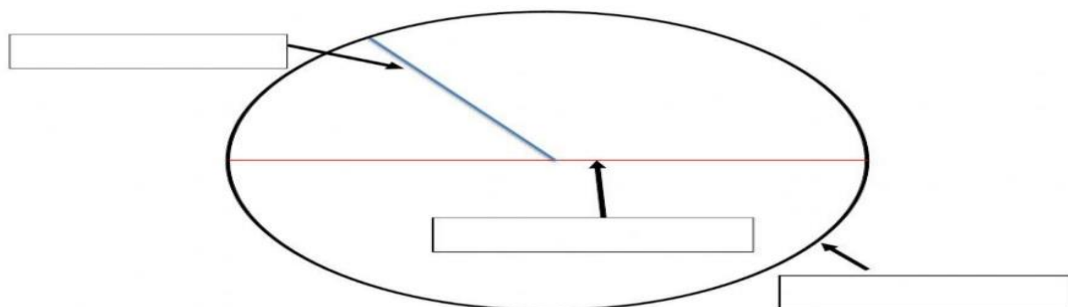
Half duplex : 2 way communication, send & receive messages but one at a time

Full duplex : 2 way communication. Send & receive messages at the same time.

**Task four : put each words next to its definitions (5p)**

Wire .1	device which maps the binary strings into coded bits or transmission. (7) waveforms for
wave .2	
analogue .3	a device which maps the source into a set of binary strings(6)
amplitude .4 modulation	a system in which data is represented as a continuously varying voltage(3)
frequency .5 modulation	a thin piece of metal for conducting electrical current (1)
sOurce .6 encoder	a wave suitable for modulation by an information-bearing signal (10)
channel .7 encoder	
degradation .8	an electric, electromagnetic, acoustic, mechanical or other form whose physical activity rises and falls as it travels through a medium (2)
distort .9	
carrier .10 wave	the deterioration in quality, level, or standard of performance(8)
	to fail to reproduce accurately the characteristics of the input (9)
	where audio signals increase and decrease the amplitude of the .carrier (4)wave
	where voltage levels change the frequency of a carrier wave (5)

**Task five : label the following elements of the circle (3p)**



**1/ radius**

**2/ diameter**

**3/ circumference**