Announcements – Lecture VIII – Monday, June 3 <sup>rd</sup>
3 <sup>RD</sup> LAB: THE, JUN 4, 1:30-4:30
EXAM I STATS:
# Papers: 33
HIGH SCORE: 100
AVERAGE: 79
790: 7
>80: 12
>70: 7
760:3
> 55 : 1
< 55 · 2
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## 6.5 **Quantum Numbers, Orbitals, and Nodes**

B: Orbitals – n = 1 and 2

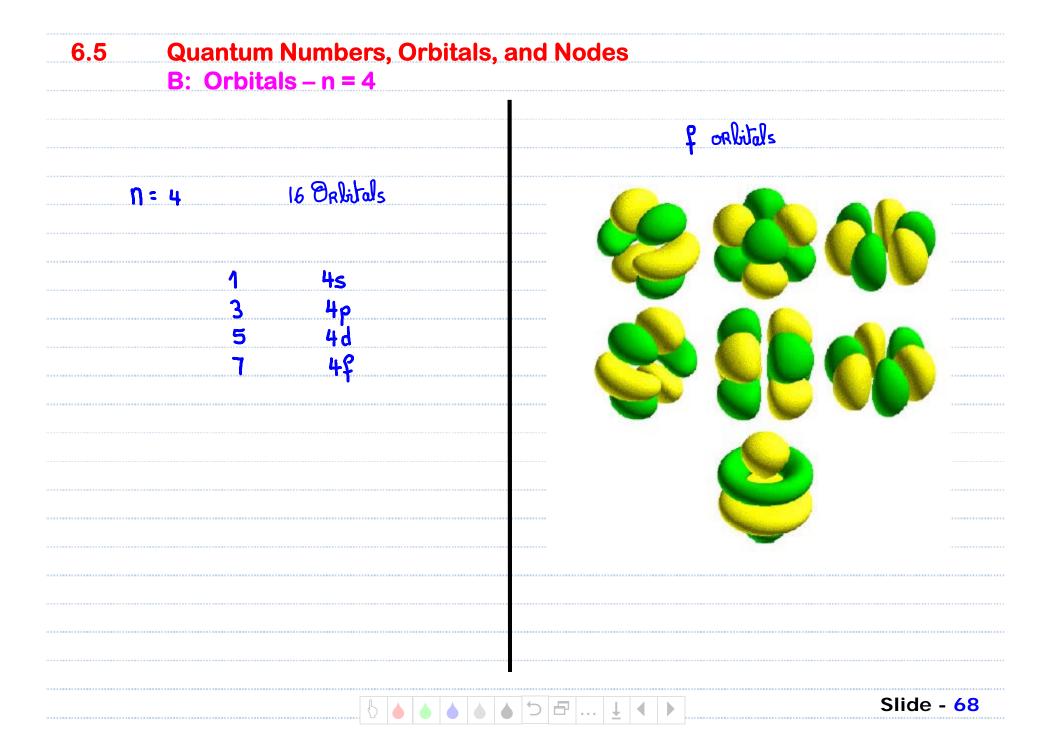
n	Orbitals		#	Label
1	1		1	15
			1	25
2	4		3	<mark>گ</mark> ړ
		2p 2		Slide - 66

## 6.5 Quantum Numbers, Orbitals, and Nodes

B: Orbitals – n = 3

n	Orbitals		#	Label
		x y	1	35
3	9		3	<b>3</b> p
		<b>****</b>	5	34
		3dg2 3dxy 3dyg 3dxy 3dx=1		

**Slide - 67** 



## 6.5 **Quantum Numbers, Orbitals, and Nodes** B: Orbital Shapes with Increasing n r(a<sub>0</sub>) Slide - 69

5	Quantum Numbers, Orbitals, and Nodes C: Nodes					
		15	λૃેs	35	45	
PLP	anar nodes:	0	0	0	0	
Spi	HERICAL Nodes:	0	<u> </u>	2.	3	
•			<u>Amcreasing</u>	size		
		g	letting further away			
ρ.			<u> </u>	<b>3</b> ρ	4р	
ru S <sub>f</sub>	ANAR Nodes : phenical nodes :		0		2	
				3d	40	
P,	ANAR Nodes			2)	2,	
	pherical nodes			0	<u> </u>	
				F   <u>↓</u>   <b>∢</b>  ▶		Slide -