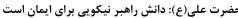
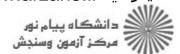
کارشناسی و کارشناسی ارشد





حضرت علی(ع): دانش راهبر نیکویی برای ایمان است

سرې سوال: يک ۱	ن (دقیقه) : تستی : ۱۰۰ تشریحی : ۰		نداد سوالات: تستى: 30٪ تشريحي	
سری سوال: یک ۱ بریمی تجزیه)،شیمی (شیمی آلی)،شیهی	۱۱۱ – ،شیمی (شیمی محض)،شیمی (ش ۱۲)	-		
1-The symbolic language o	of chemistry is the express	sion of chemical phenom	ena in terms of	
1. chemical symbols		2. chemical symbols and	l mathematical equations	
3. mathematical equations	S	4. the microscopic level		
2-All sciences, such as med	licine and various fields o	of economical activity, ha	vein chemistry.	
1. concepts	2. composition	3. routes	4. models	
3-Acids also are electrolyte ions when they	s. Unlike salts, they are m	olecular compounds in th	e pure state but form	
1. dissolution	2. disosiation	^{3.} unsolved	4. dissolve	
4-Anything that has mass and takes up space is matter. This is the easiestof it.				
1. property	2. definition	3. mixture	4. particle	
5-The energy a body posse	sses, due to its motion is	called energy.		
1. kinetic		2. potential		
3. electromagnetic		4. joule		
6 has magnitud	e and direction and a for	rce can change both, sim	nultaneously.	
1. velocity	2. acceleration	3. pressure	4. speed	
7-In a chemical reaction, atoms are neither created nor destroyed but partners.				
1. identifies		2. proves		
3. exchange		4. investigate		
8-Atoms have an internal s another. <u>It</u> here refers to	, •	g it we result how one eld	ement differs from	
1. internal structure		2. one element		
3. investigating		4. electrons		
9-Matter consists of almos	t tiny particles th	nat the smallest one is cal	led an atom.	
1. differently	2. potentially	3. laboriously	4. unimaginably	
10-For each electron outside inside it.	e the nucleus, there must	be a positively	charged particles	
1. evacuating	2. surrounding	3. matching	4. honor	
11-Is there adifferen	ice in some physical and	chemical properties of hy	ydrogen isotopes?	

2. variation

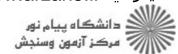
= 1010/101011331

3. occasion

1. noticeable

4. element

کارشناسی و کارشناسی ارشد



0'	بر نیکویی برای ایمان است	حضرت علی(ع): دانش راه	//// فرکر ارفون وسنجس
سری سوال: یک ۱ بری بری تجزیه)،شیمی (شیمی آلی)،شب لی	4): تستى: ١٠٠ تشريحى: ٠		داد سوالات: تستی : ۳۰ تشریحی : ۰ ن نـــوان درس : زبان تخصصی،زبان تخص
ی تجزیه)،شیمی (شیمی آلی)،شی لی ا	شیمی (شیمی محض)،شیمی (شیم		ِ شته تحصیلی/کد درس: شیمی گرایش ه
12-When one of the acceler	erated electrons	with an atom does it kno	ck another electron out of
1. applies		2. advances	
3. transits		4. collides	
13-The prospect of learning	ng theof many	elements might seem ov	erwhelming.
1. glance	2. convince	3. properties	4. devote
14-These element are tran metals.	nsitional in character b	etween the reacti	ive and the less reactive
1. vigorously	2. difficult	3. replacing	4. treacherous
15-The potential energy of	of a molecule wi	th its distance from the s	econd molecule.
1. carries	2. varies	3. attracts	4. repulses
16-When the molecules co	ome into contact, the p	otential energy of the ob	ject
1. separated	2. starts to rise	3. decreases	4. condensed
17- In the atmosphere ten	nperature with	altitude.	
1. inter planetary		2. stops invariable	
3. reach the surface		4. doesn't increase smoothly	
18-Scientists often look fo	or easier ways to	or analyze experimen	tal data.
1. identify	2. implicate	3. linger	4. extreme
19-Then we the con	ntainer so it was compl	letely empty of all gases .	
1. hydrated	2. filtrated	3. indicated	4. evacuated
20-When the temperature	e increases, the molecu	les of gas more ene	rgy and move faster.
1. grow	2. inhale	3. gain	4. exhaust
21-Human body is highly	mixture	of numerous compound	S.
1. homogenous		2. dilution	
3. heterogeneous		4. distinguish	
22-The solute comes out of	of solution rapidly and	even a single crystal does	s not have time to form ,so

3. outmost

1. instantaneous

precipitation is often.....

2. motivated

4. immense



تعداد سوالات: تستى: ٣٠ تشريحي: ٠ **رشته تحصیلی/گد درس:**شیمی گرایش محض،شیمی (کاربردی) ۱۱۱۴۰۲۸ - ،شیمی (شیمی محض)،شیمی (شیمی تجزیه)،شیمی (شیمی آلی) شیمی فیزیک)،شیمی (شیمی معدنی)۱۲۱۲۱۸۰ 23-Volumetric flasks are used to dilute solutions 1. eligibly 2. accurately 3. confined 4. accelerated 24-In order to save space we store the solutions in aform so we can dilute it whenever is needed. 1. devoted 2. contradicted 3. concentrated 4. disturbed 25-When a substance dissolves to a significant extent in a specified solvent, it is called: 2. specified solvent 1. hydrated matter 3. soluble substance 4. insoluble substance 26-In a solution each ion has a number of water molecules closely...... with it. 2. articulated 3. jostled 4. extended 1. associated 27-The process of electron gain is known as..... 1. conversion 2. reduction 3. reductant 4. oxidation 28-The most common and economically destructive form of is the rusting of iron. 3. corrosion 4. partition 1. Interruption 2. corruption 29-NMR is one of the most useful..... which measures the environments of certain nuclei in a molecule. 2. peaks 3. resonance 4. bonds 1. tools 30-Functional groups dominate the properties and reactions of...... compounds. **1.** structure 2. condensed 3. formula 4. organic

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