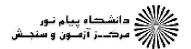
کارشناسی



سری سوال: یک ۱	ن (دفیقه) : نستی : ۶۰ نسریعی : ۶۰	، ۵ رمان ارمور	اد سوالات: نستی: ۲۰ مسریحی
		ان تخصصی برق	ــــوان درس: زبان تخصصی،زب
- گرایش قدرت، مهندسی برق – گرایش			
رل، مهندسی برق - گرایش مخابرات	کترونیک، مهندسی برق - گرایش کنتر 		
	بىدىسى ربانىك ۱۵۱۱۰۶۷	ی برق – گرایش قدرت ۱۳۱۹۱۴۳ – ، مه	
1-The energy of water may	y be converted to work by	hydraulic	
1. grids	^{2.} turbines	3. boilers	4. towers
2-In the design of control s system model by neglect	systems, it is practical to fi ting the of the syste	6 75 .1	ased on the linear-
1. linear	^{2.} linearities	3. nonlinear	4. nonlinearities
3-Pure water is heated in t	the to produce stear	m at high pressure and hig	sh temperature.
 cooling towers 	2. condensers	^{3.} boilers	^{4.} exchangers
4-The voltageserve circuit or feeder as its loa		ltage within a predetermir	ned range on the
1. comparator	^{2.} regulator	3. compensator	^{4.} distributor
5-A surge arrester th	ne voltage surge to ground	before it can do damage	to the transformer.
1. recloses	2. drains	3. breaks	4. meters
6-At the transformer, the values from higher prima		g delivered is reduced to t	he voltage
1. utilization	2. insulation	^{3.} overload	^{4.} overdrive
7-An electronic circuit is co	omposed of individual elec d diodes, connected by wir		tors, transistors,
1. constructs	2. conductors	^{3.} convertors	4. components
8-A/an is continuou represented.	ıs and varies with time to o	correspond to the informa	tion being
 digital signal 	2. analog signal	3. digital device	^{4.} analog device
9-The word diode fr	om the fact that the devic	e has two (di) electrodes ((ode).
1. derive	^{2.} drive	3. is derived	^{4.} is driven
10-The junction diode biased.	. current when it is forwar	d biased and curren	t when it is reverse
1. blocks - passes		2. prevents - supplies	
3. passes - conducts		4. conducts - blocks	



سری سوال: یک ۱	تشریحی: 60	ون (دقیقه) : تستی : ۶۰	آزم	۵ زمان	تشريحي	داد سوالات : تستى : 20
				ن تخصصی برق	صصی،ز با	ىنــــوان درس: زبان تخ
گرایش قدرت، مهندسی برق - گرایش ل، مهندسی برق - گرایش مخابرات	ق - گرایش کنترا	الكترونيك، مهندسي بر	یش		،کنترل ٔ	ِشته تحصیلی/کد درس
		مهمدسی رب سے ۱۳۰۰		بری عربیس صرح	سهدسی	
11-The noise originating from	om the sun i	is termed	no	ise.		
1. solar	2. cosmic		3.	thermal	4. s	hot
12-A bipolar transistor has with three alternate reg		and is create	ed k	oya single piec	e of se	miconductor
1. junctions – depleting	S		2.	polarities – doping		
3. depletion – connecti	ng		4.	junctions – doping		
13-The package of the tran semiconductor regions	-			ectrical connection an	nong th	ne three
1. a means – terminals			2.	means – holes		
3. a meaning – pads			4.	meanings – leads		
14-A heat sink on a t	transistor ca	n helpany	he	eat generated by the	transis	tor.
 depleted – pass 			2.	mounted – conduct a	away	
^{3.} installed – build up			4.	soldered - block		
15-Predictable disturbance	es can alway	s be withi	n t	he system.		
1. fed back			2.	generated in		
^{3.} compensated for			4.	compared with		
16-Feedback control system terms feedback control				- 1 W	ms. Th	erefore, the
1. adversely	2. interch	nangeably	3.	automatically	4. a	daptively
17-In a closed-loop control the feedback signal.	system, the	signal is	the	e difference between	the inp	out signal and
1. linear	^{2.} variab	le	3.	desired	4. €	rror
18-A control system	m is one who	ose parameters	do	not vary with time.		
1. time - invariant			2.	time - variant		
^{3.} time-variability			4.	time - invariability		
19-The transmitting antenna antenna can thus be the		a demonstration of the same	al e	energy into electroma	gnetic	energy. The
1. transponder	2. transn		3.	transducer	4. t	ransceiver

سری سوال: یک ۱

زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۶۰

تعداد سوالات: تستى: 20 تشريحي: ۵

عنــوان درس: زبان تخصصي،زبان تخصصي برق

رشته تحصیلی/گد درس:مهندسی برق - گرایش مخابرات، مهندسی برق - گرایش الکترونیک، مهندسی برق - گرایش قدرت، مهندسی برق - گرایش ،کنترل ۱۳۱۹۰۲۴ - ، مهندسی برق - گرایش الکترونیک، مهندسی برق - گرایش کنترل، مهندسی برق - گرایش مخابرات مهندسی برق - گرایش قدرت ۱۳۱۹۱۴۳ - ، مهندسی رباتیک۱۵۱۱۰۶۷

- 20-The transmitted signal is during transmission, therefore it should be amplified in the receiving unit.
 - 1. detected
- 2. propagated
- 3. demodulated
- 4. attenuated

سوالات تشريحي

21-

(پاراگراف های زیر را به فارسی روان ترجمه کنید)

مره ۱،۴۰

Translate the following paragraphs into Farsi:

In many of the distribution system arrangements, some of the several elements between the generating plant and the consumer may not be necessary. In a relatively small area, such as a small town, that is served by a power plant situated in or very near the service area, the distribution feeder may emanate directly from the power plant bus, and all

- 22-Some systems are designed specifically to manage the flow of power and therefore are only electrical, while other systems are designed to manage both power and information. For example a television contains both electrical components and circuits that manage the flow of electrical power from the wall outlet and also electronic components and circuits that manage the flow of information or TV signals from the antenna or cable.
- نمره ۱٬۱۰۰

- 23-Transmission of the modulated signal can take place by any one of propagation: antennas, waveguides, optical fibers, or transmission lines. The receiving unit of the system picks up the transmitted signal but must re-amplify it to compensate for attenuation that occurred during transmission.
- نمره ۱،۳۰
- 24-Digital communication systems represent information, irrespective of its type or origin, by a discrete set of allowed symbols. The amount of information conveyed by each symbol is closely related to its selection probability.
- تمره ۱،۱۰
- 25-In a feedback control system, the actuating error signal is fed to the controller so as to reduce the error and bring the output of the system to a desired value. However, in an open-loop control system the output has no effect on the control action.
- نمره ۱،۲۰

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شمارد سوال	پاسخ صحیح	وضعيت كليد
1	Ų	عادي
2	3	عادي
3	5	عادي
4	ب	عادي
5	Ų	عادي
6	الف	عادي
7	د	عادي
8	ų	عادي
9	5	عادي
10	3	عادي
11	الف	عادي
12	۵	عادي
13	الف	عادي
14	ب	عادي
15	5	عادي
16	Ų	عادي
17	٥	عادي
18	الف	عادي
19	ے	عادي
20	د	عادي



سری سوال: یک ۱

1440/-4/44

٠٨:٠٠

زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۶۰

تعداد سوالات: تستى: ٥٠ تشريحي: ٥

عنــوان درس: زبان تخصصي،زبان تخصصي برق

رشته تحصیلی/کد درس:مهندسی برق - گرایش مخابرات، مهندسی برق - گرایش الکترونیک، مهندسی برق - گرایش قدرت، مهندسی برق - گرایش ،کنترل ۱۳۱۹۰۲۴ - ، مهندسی برق - گرایش الکترونیک، مهندسی برق - گرایش کنترل، مهندسی برق - گرایش مخابرات

مهندسی برق - گرایش قدرت ۱۳۱۹۱۴۳ - ، مهندسی رباتیک ۱۵۱۱۰۶۷

سوالات تشريحي

1-45-40 نمره ۱.۶۰ ص 2-۷۷-۷۶ نمره ۱.۶۰

نمره ۱٬۴۰ ص ۱۲۲۰-۲۱۸

نمره ۱٬۴۰ ص ۸ - ۸ - ۲

نمره ۱۵۴۰ ص ۱۸۴۰