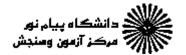
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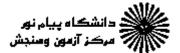
تعداد سوالات: تستى: ١٥ تشريحي: ٣

زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۶۰ سری سوال: یک ۱ **ـوان درس:** زبان تخصصي **رشته تحصیلی/گد درس:**مهندسی برق - گرایش الکترونیک، مهندسی برق - گرایش قدرت، مهندسی برق - گرایش کنترل، مهندسی برق - گرایش مخابرات ۱۳۱۹۰۲۴ - ، مهندسی ریاتیک ۱۵۱۱۰۶۷ 1-Science related to the behavior of electrons in devices is called electronics. "devices" means..... 4. fields 1. tools 2. areas 3. designs 2-Fuses and circuit breakers can .....the current path if too much current flows. **1.** interruption 2. interrupted 3. interrupts 4. interrupt 3-According to the situation the switch acts ...... <sup>2.</sup> automation 3. automatic 4. automatically 1. automate 4-The electron jumps to the coduction band ...... a vacancy. 1. because 2. in spite of 3. because of 4. despite 5-The BJT is used as a linear amplifier to boost or amplify an electrical signal and as an electronic switch. boost means..... 1. become weak 2. increase the power 3. reject the wave 4. show a picture 6-In electronics, ...... are a common way of giving information. They allow a great deal of data to be presented in visual form. 3. branches 4. gates 1. graphs 2. vehicles 7-Isolation between transistors often is not adequate.adequate means..... 1. difficult 2. common 3. sufficient 8-Circuits that <u>handle</u> only high and low signals are called digital circuits.handle means..... 2. control 3. send 1. damage 9-When the power is switched on, the circuit switches to one of the stable states and it is not possible to predict the state.predict means..... 2. move 3. illustrate 1. change 4. anticipate 10-Packaging serves several purposes, including protecting the chip from chemical contamination. contamination means..... 2. pollution 3. sources 1. industrialization 4. materials 11-'TTL' is the short form or a(n) ...... which stands for Transistor-Transistor Logic. 2. association 3. abbreviation **1.** prediction 4. protection

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## کار شناسی





سری سوال : یک ۱	<b>ه): تستى: 60 تشريحى: 90</b>		ه تعداد سوالات: تستى : 15 تشريحى: 3
نرایش کنترل، مهندسی برق – گرایش ————————————————————————————————————	گرایش قدرت، مهندسی برق – گ	- گرایش الکترونیک، مهندسی برق - آ ۱۳۱۹ - ، مهندسی رباتیک۱۵۱۱۰۶۷	عنـــوان درس: زبان تخصصی رشته تحصیلی/کد درس: مهندسی برق مخابرات ۱۰۲۴
12-A considerable decrease in the power required to <u>implement</u> a given function. implement means			
1. carry out	<sup>2.</sup> take about	<sup>3.</sup> look at	<sup>4.</sup> pay back
13-Today,ICs are <u>fabricated</u> in large volumes and in different types. fabricate means			
1. detect	<sup>2.</sup> make	<sup>3.</sup> destruct	<sup>4.</sup> manage
14-Some of the basic function	ons performed by the	various registers are esser	ntially <u>identical</u> . identical
1. the same	2. the most	<sup>3.</sup> different	<sup>4.</sup> large
15-Iranian nuclear power plant in Busher is still under			
1. construct	2. construction	3. constructive	<sup>4.</sup> constructively
سوالات تشريحي			
16-Translate the following texts into fluent Persian: The basic operation of the light-emitting المره على المره ا			
17-To illustrate transistor action,let's examine what happens inside the npn transistor.The forward bias from base to emitter narrows the BE depletion region, and the reverse bias from base to collector widens the BC depletion region.The heavily doped n-type emitter region is teeming with conduction-band(free) electrons.			
18-The biasing of a transistor is purely a dc operation. The purpose of biasing is to establish a وره ١٥- الله على الله			