المادة: جبر حلقات المرحلة: الثالثة

عدد الساعات:3 ساعات

عدد الوحدات: 5 وحدات



جامعة الحمدانية كلية التربية قسم الرياضيات

عدد الأسابيع	المفردات الدراسية	ت
	Definition of distribute iv operation and examples	1
	Definition of rings and examples	2
	Examples	3
	Definition of distribute of zero and integral domains	4
	Sub rings, examples	5
	Characteristic of rings ,theorems	6
	Ideals, examples and theorems	7
	Ideals, generated by a set. Ideals of Z	8
	LEAST Common multiple of elements	9
	Homeomorphisms ,kernel of homeomorphism	10
	Rings embbedden in a ring	11
	homeomorphismsFundamental theorems of	12
	Related to the ring z Homeomorphisms	13
	Problems	14
	Fields, definition and examples	15
	examples	16
	Integral domains and fields	17
	Ideals of fields ,subring	18
	Integral domains imbedded in its field of quotients	19
	Prime fields , examples	20
	Maximal ideal ,definitions and examples	21
	Maximal ideal in Z and other theorems	22
	Zorn's lemma and (krull-zora) theorems	23
	Prime ideal	24
	Maximal( Prime ) ideal	25
	The radical of a ring	26