

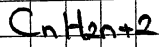
FARMASÖTİK KİMYA 2 DERS NOTU

I.DÖNEM TAMAMI

(2010-2011)

ÖZGÜN FOTOKOPİ

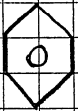
TEL : (0216) 450 13 58

Fonksiyonel Gruplar

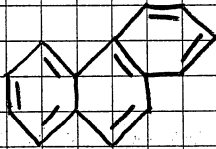
Alkan



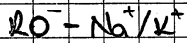
Alkil halogenür



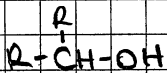
Benzen



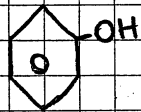
fluorenen



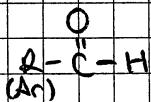
Alkoksit



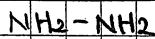
sekonder alkol



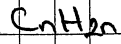
Fenol



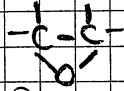
Aldehit



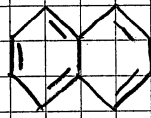
hidrazin



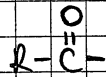
Alken



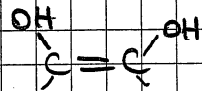
Epoksit



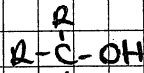
Naptalen



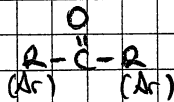
Asil kökü



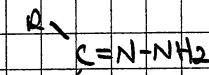
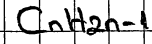
Endiol



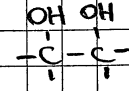
terciyer alkol

Fenil
(fonk. grup değil)

Keton

R(H)
hidrazon

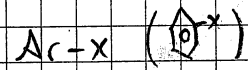
Alkin



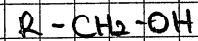
diol



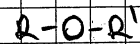
Antrasen



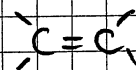
Aril halogenür



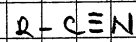
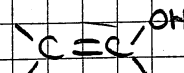
Primer alkol



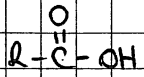
Eter



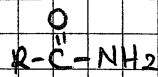
Aktif doymamışlık

Nitril
(Sigano)

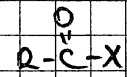
enol



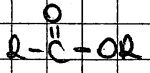
Karboksilik asit



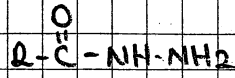
Amit



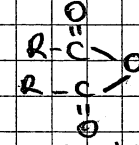
Asit halojenürü



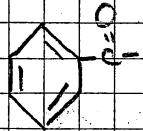
ester



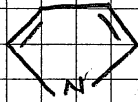
hidrazit



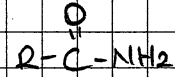
asit anhidrit



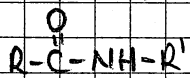
benzil keton



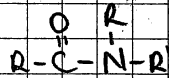
halka içi azot



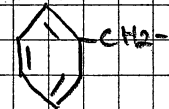
Primer amit



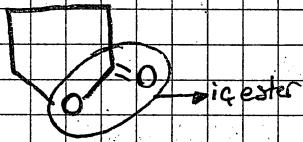
sekonder amit



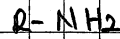
Tersiyer amit



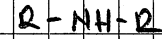
Benzil



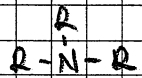
→ iç ester



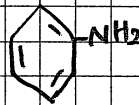
primer amin



sekonder amin



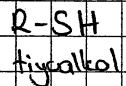
tersiyer amin



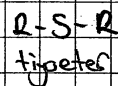
Aromatik primer amin



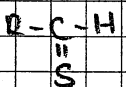
halka içi azot



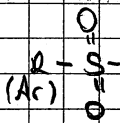
tiyalkol



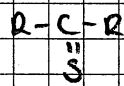
tiyeter



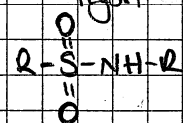
tiyan
tiyaldehit



Sülfonil keton



tiyon



Sülfonamit

Heterosiklik Yapılar

Heterosiklik yapıların adlandırılmasında şu kurallara uyulur.

1- Halkadaki heteroatom oksijense bileşik oksa-, azot ise aza-, kükür ise tiya- ön eklerini alır.

2- Halkadaki çift bağlardan bir tanesi doymuş ise bileşik sonuna -in eki getirilir.

3- Halka doymuş bir halka ise bileşik adının sonuna -din eki getirilir.

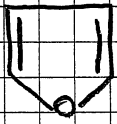
4- Bileşik adının sonuna genellikle beş üyeli doymamış halkalarda -ol
altı üyeli doymamış halkalarda -in
yedi üyeli doymamış halkalarda -epin
sekiz üyeli doymamış halkalarda -osin

ekli getirilir.

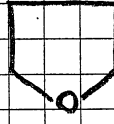
5- Halkada hetero atomdan başlayarak numaralandırılır. Eğer halkada birbirinden farklı hetero atomlar varsa numaralandırma öncelik sırası: oksijen, kükürt, azot şeklindedir.

Beş Üyeli Heterosiklik Yapılar

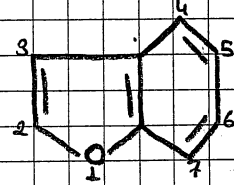
Oksijen Pasıyanlar



Furan



Tetrahydrofuran

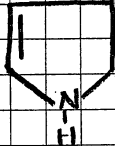


Benzofuran

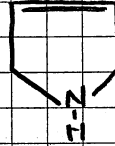
Azot Pasıyanlar



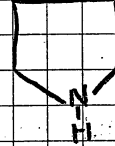
Pirrol



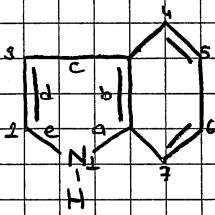
2-Picolin



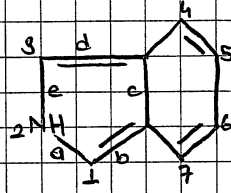
3-picolin



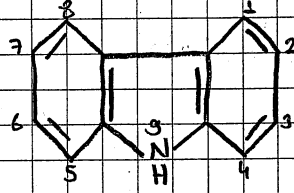
Picolidin



Indol
Benzopirrol
2,3-Benzopirrol
Benzo[cb]pirrol



Iscindol
Benzo[cb]pirrol

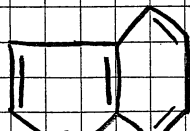


Karbazol
3H-Karbazol
dibenzopirrol

Kükürt Pasıyanlar

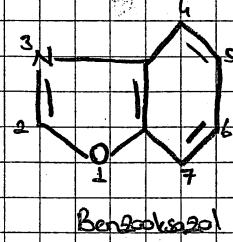
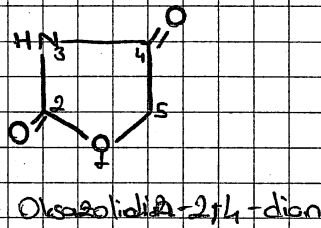
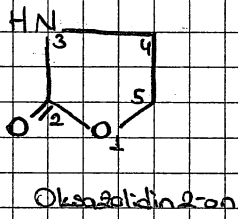
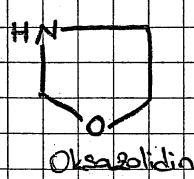
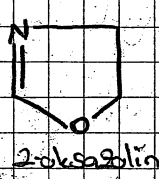
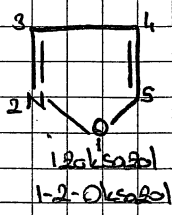
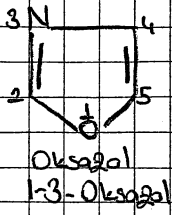


Thiophen

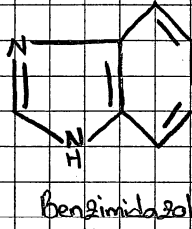
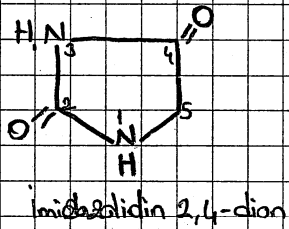
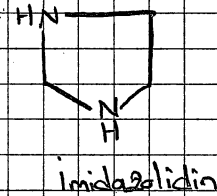
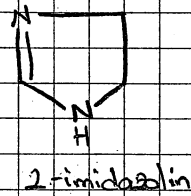
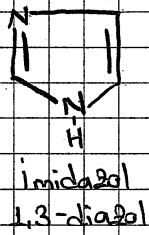
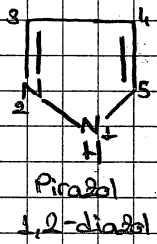


Benzotiyofen

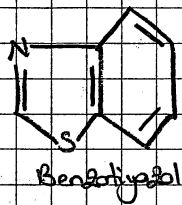
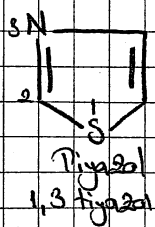
Oksijen ve Azot Pasyanlar



İki Azot Pasyanlar



Azot ve Kükürt Pasyanlar



Altı üyeli Heterosiklik Yapılar

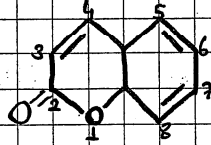
Oksijen Taşıyanlar



1,4-Piran



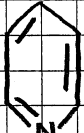
1,2-Piran



Kumarin

2H-Benzopiran-2-on

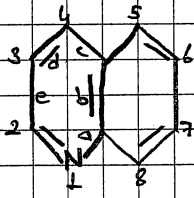
Azot Taşıyanlar



Piridin



Piperidin



Kindlin

2,3-Benzopiridin

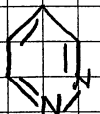
Benz[6]piridin

Kükürt Taşıyanlar



Thiopyran

İki veya daha fazla Azot Taşıyanlar



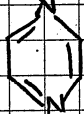
Piradin

1,2-diazin



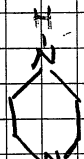
Pirimidin

1,3-diazin

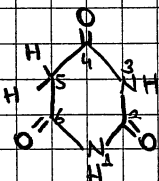


Picadin

1,4-diazin



Piperazin



Barbitirik asit

(1H,3H,5H)-2,4,6-Picimidintion