

# **IIT - ORGANIC CHEMISTRY**

---

## **NURTURE**

---

**Corporate Office: NAIVEDHYAM, Plot No. SP-11, Old INOX, Indra Vihar,  
Kota (Raj.) 324005**

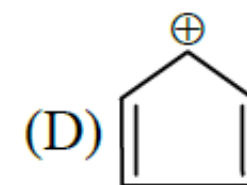
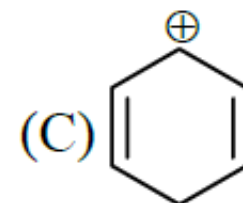
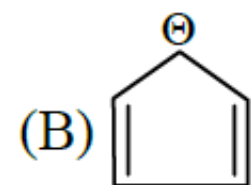
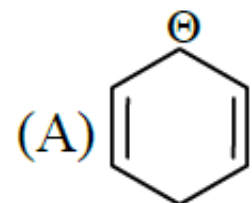
# DPP # 08

Time : 30 Min.

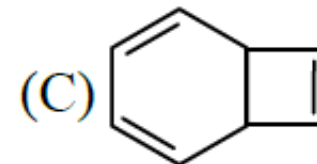
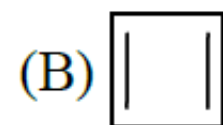
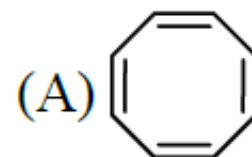
## Comprehension (Q.1 to Q.3)

Aromatic		Anti-aromatic		Non-aromatic compounds
(1)	Cyclic	(1)	Cyclic	
(2)	Planar	(2)	Planar	
(3)	Complete conjugation over the entire cycle	(3)	Complete conjugation over the entire cycle	If any one of the four or more violates then non-aromatic
(4)	Huckel's rule $(4n+2)\pi$ electrons should be in cyclic conjugation $(4n+2)\pi$ electrons = 2,6,10,14 etc	(4)	$(4n)\pi$ electrons should be in cyclic conjugation $(4n)\pi$ electrons = 4,8,12,etc.	

**Q.1** Which of the following is aromatic compound?



**Q.2** Which of the following is anti-aromatic compound.



(D) None of these

**Q.3** Darken the complete area by pencil, having aromatic compounds in it.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(9)	(10)	(11)	(12) Thiophene	(13)	(14)	(15)	(16)
(17)	(18)	(19)	(20)	(21) Picric acid	(22)	(24)	(25)
(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
(34)	(35)	(36)	(37)	(38) [8] annulene	(39)	(40)	(41)
(42)	(43)	(44)	(45)	(46)	(47) Pyran	(48) Pyrrole	(49)
							(50)