



**OLIMPIADA NAȚIONALĂ DE CHIMIE
CRAIOVA, 1-7 aprilie 2018
Ediția a LII-a**

**Barem de evaluare și de notare
Proba teoretică
Clasa a X –a**

Se punctează orice modalitate de rezolvare corectă a cerințelor.

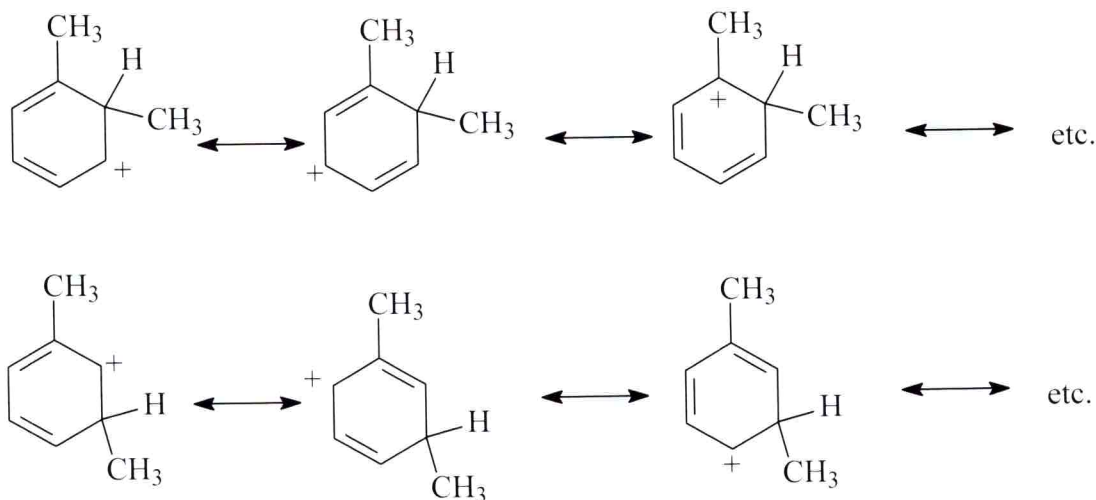
Subiectul I **(20 puncte)**

1 E; 2 C; 3 B; 4 B; 5 B; 6 E; 7 B; 8 C; 9 B; 10 D.

Fiecare răspuns corect primește 2 puncte.

Subiectul al II-lea **(25 puncte)**

A.



În pozițiile *orto* și *para* sarcina + este compensată mai puternic de efectul respingător de electroni al grupeii metil, comparativ cu poziția *meta*.

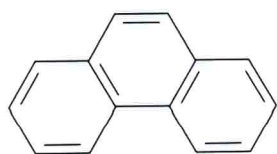
8 puncte

B.

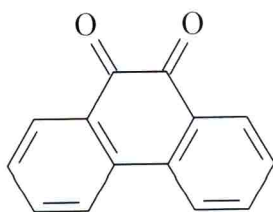
1. $C_{14}H_{10}$

3 puncte

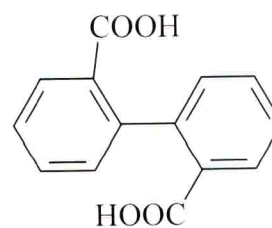
2.



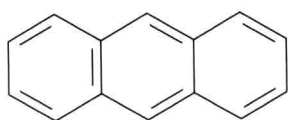
A



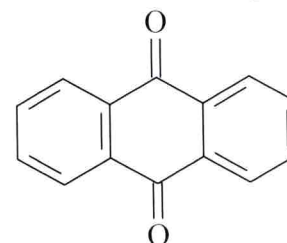
A1



C



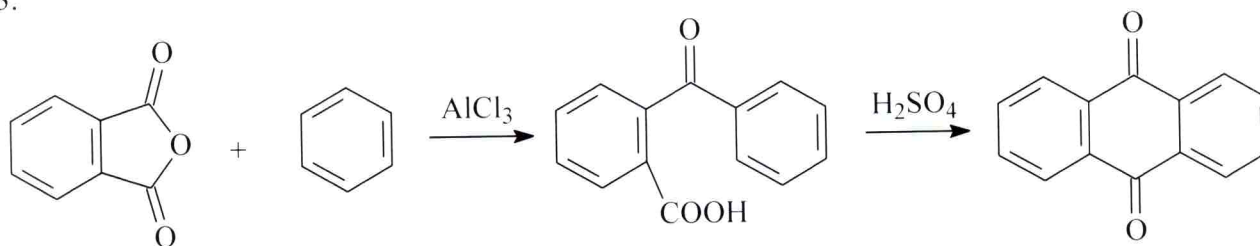
B



B1

10 puncte

3.



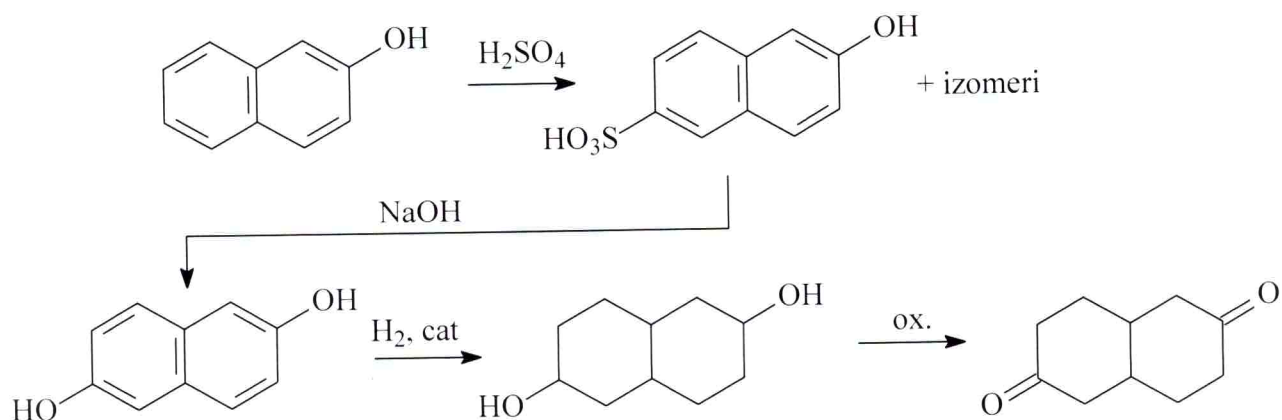
4 puncte

Subiectul al III-lea

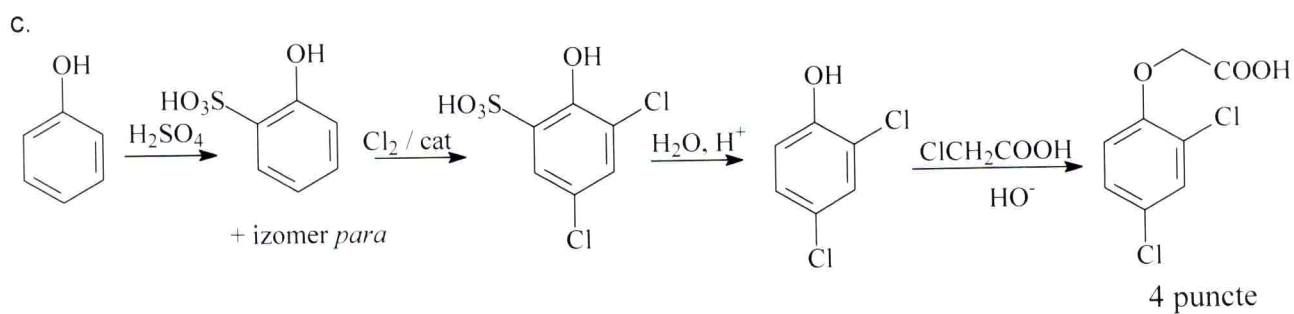
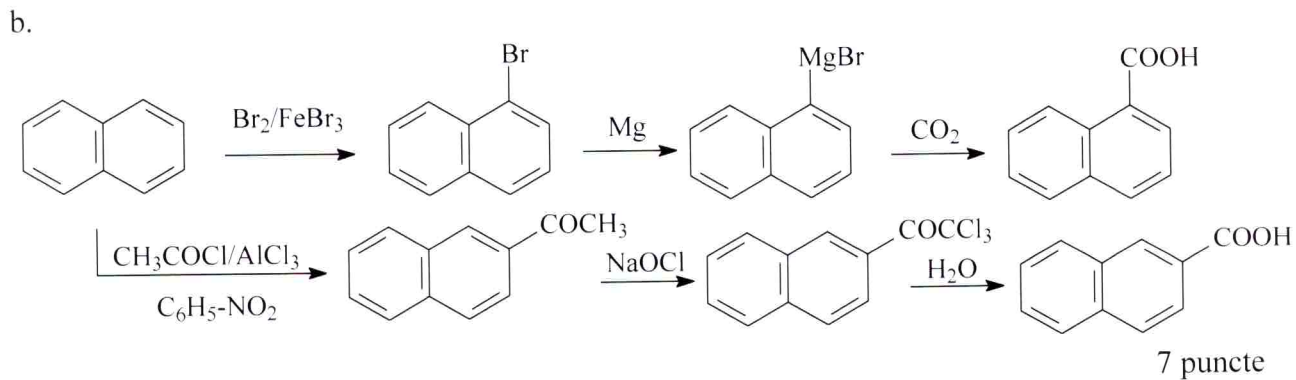
(25 puncte)

A.

a.

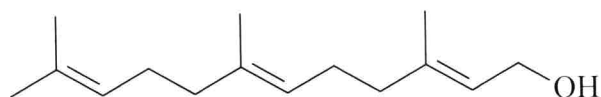


5 puncte



B.

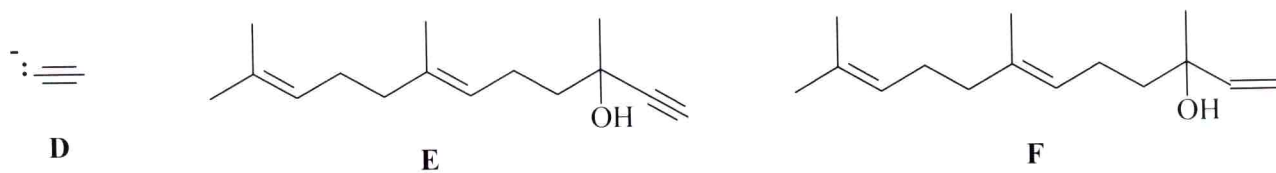
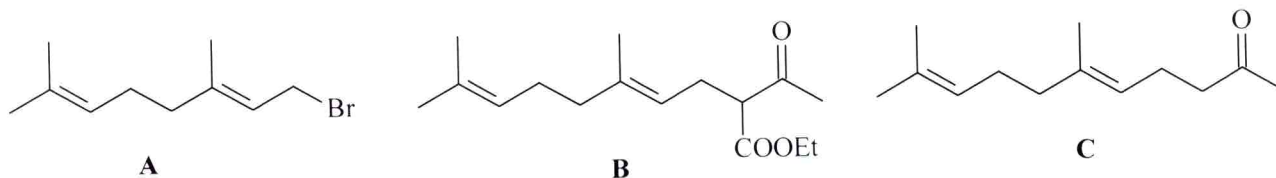
1.



(II)

3 puncte

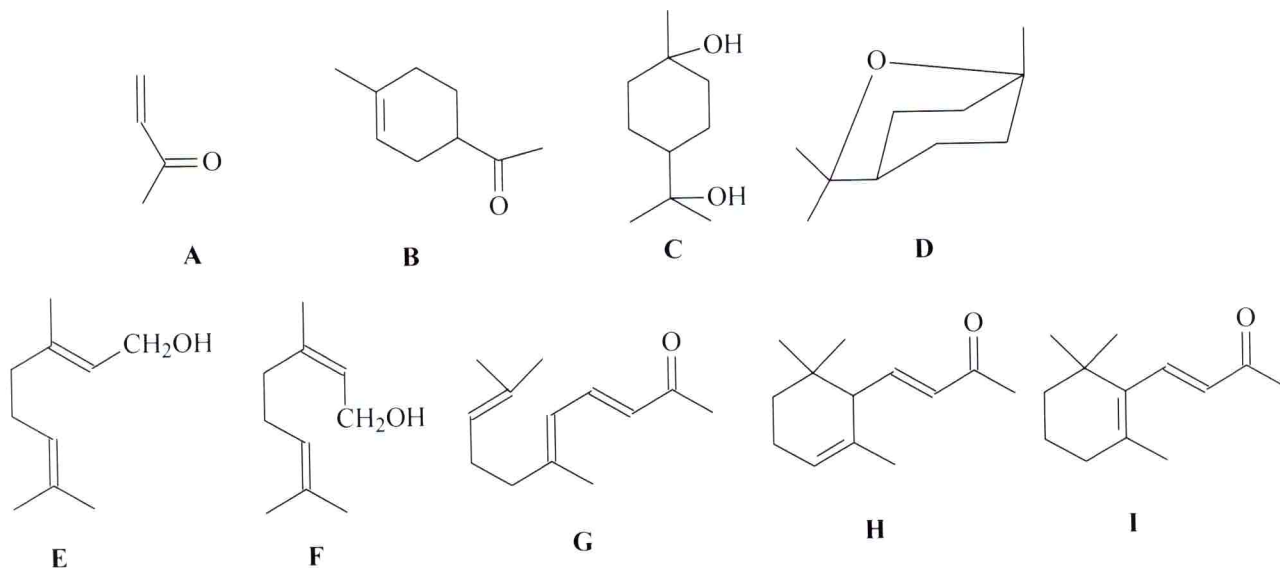
2.



6 puncte

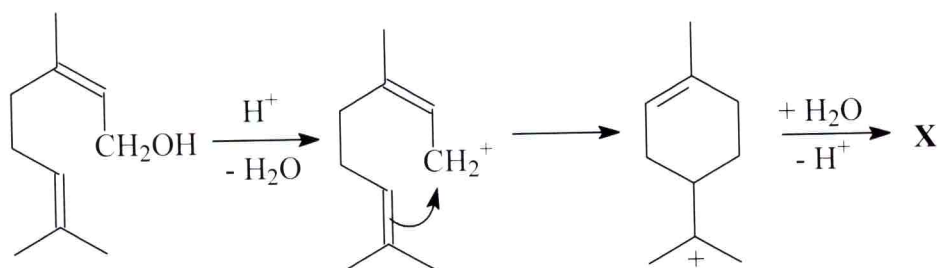
A.

1.



12 puncte

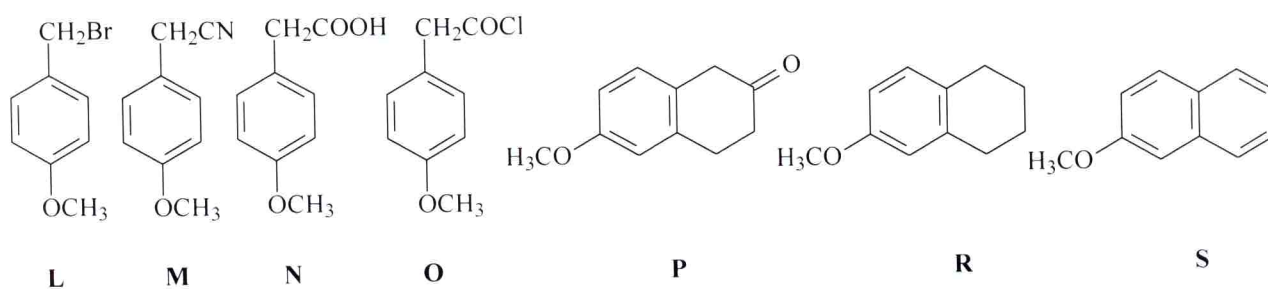
2.



4 puncte

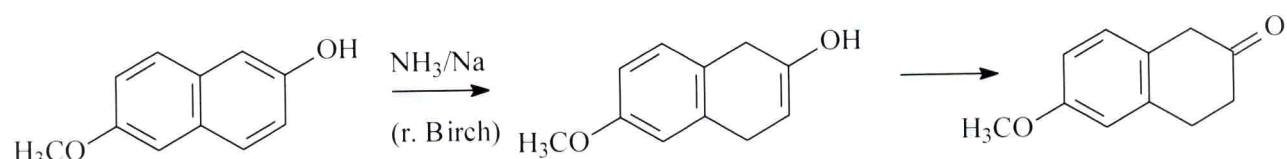
B.

1.



11 puncte

2.



3 puncte

NOTĂ Se va puncta corespunzător orice variantă corectă de răspuns!