



OLIMPIADA NAȚIONALĂ DE CHIMIE

BAIA MARE, 14-18 aprilie 2022

Ediția a LV-a

Barem de evaluare și de notare

Proba teoretică

Clasa a X –a

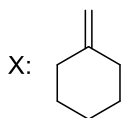
Se punctează orice modalitate de rezolvare corectă a cerințelor.

Subiectul I (20 de puncte)

1 c; 2 a; 3 d; 4 b; 5 c; 6 c; 7 c; 8 e; 9 c; 10 a. (10 x 2p)

Subiectul al II-lea (25 de puncte)

a. 4p distribuite astfel:

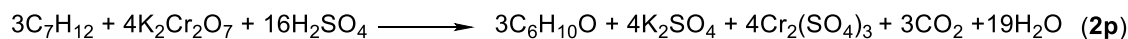


4p

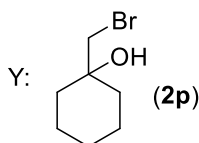
b. 4p distribuite astfel:



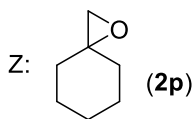
4p



c. 9p distribuite astfel:

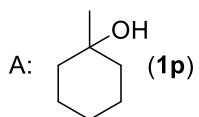


(2p)

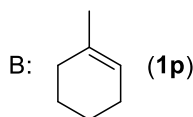


(2p)

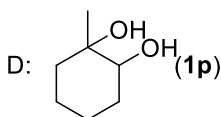
9p



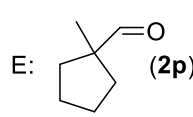
(1p)



(1p)

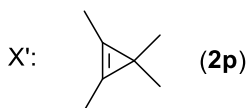


(1p)



(2p)

d. 4p distribuite astfel:



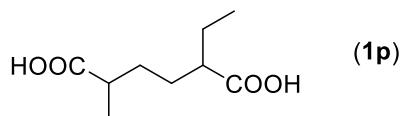
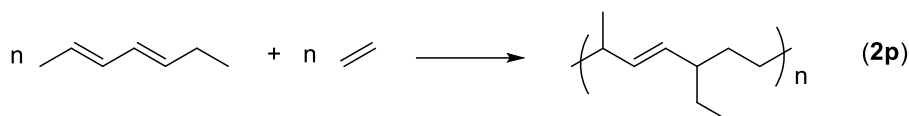
(2p)

X'':

(2p)

4p

e. 4p distribuite astfel:



acidul 2-etil-5-metilhexandioic (1p)

Subiectul al III-lea

(25 de puncte)

III.1. 5p distribuite astfel:

a. 3p

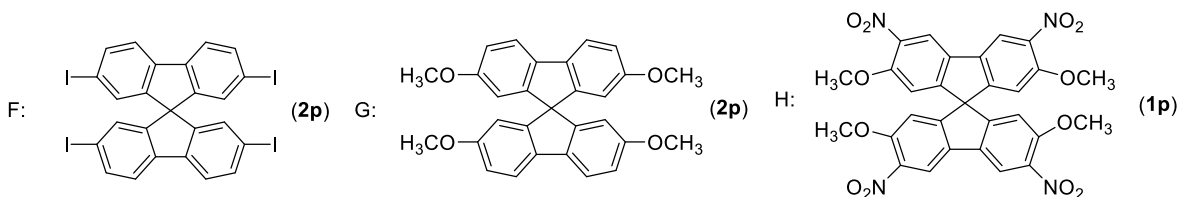
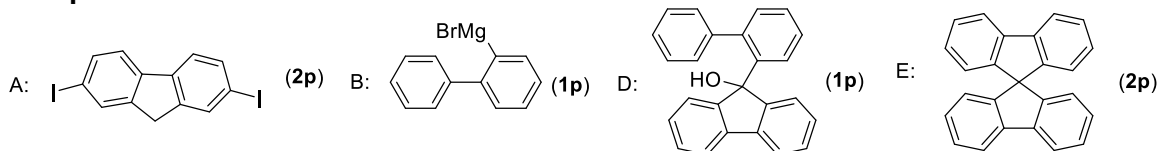
A: 6; B: 8; D: 10; E: 6; F: 4; G: 10 (6 x 0.5p)

b. 2p

Compușii B (0.5p), F (0.5p), G (1p)

III.2. 12p distribuite astfel:

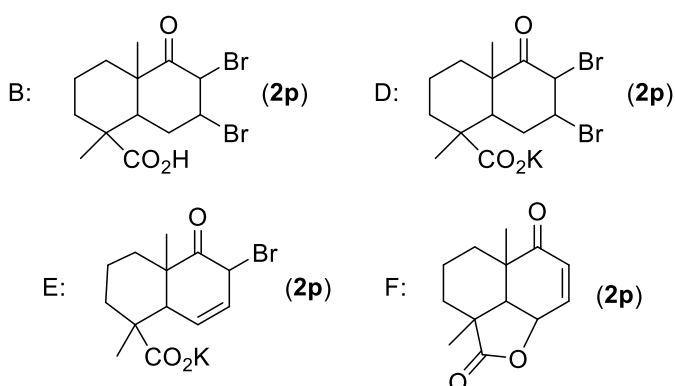
a. 11p



b. 1p

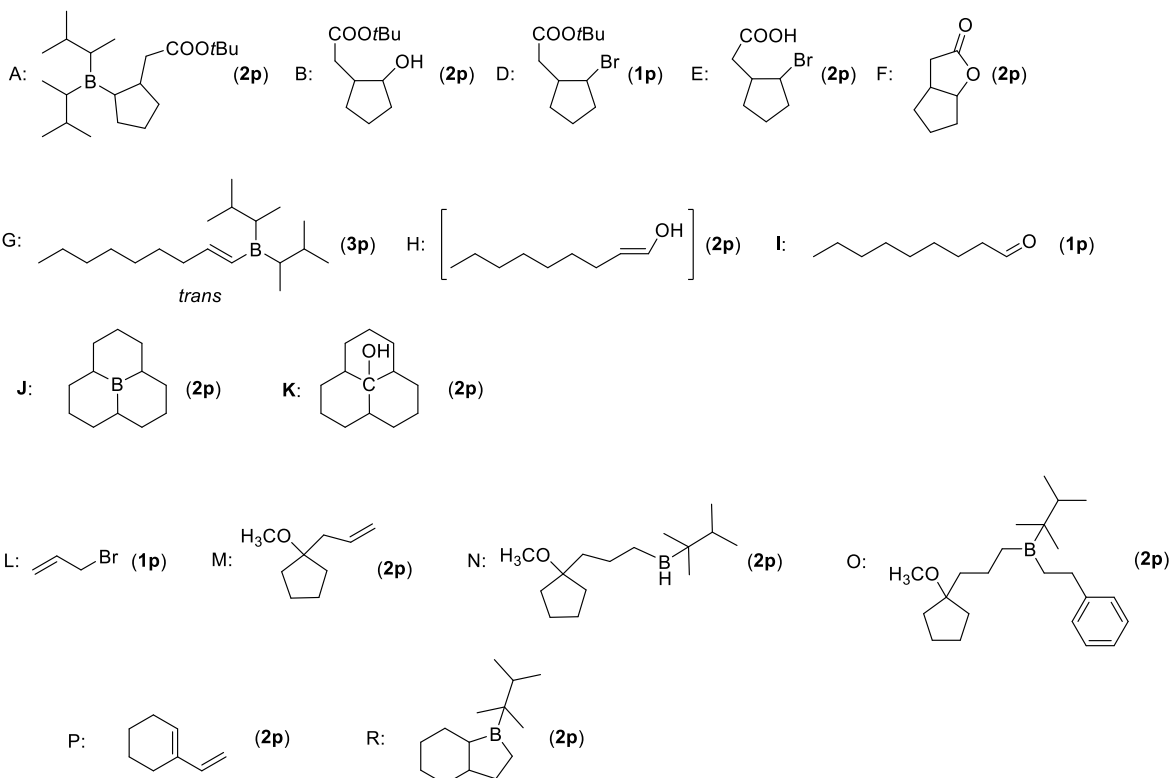
$$NE = 18$$

III.3. 8p distribuite astfel:



30p distribuite astfel:

30p



Barem elaborat de:

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