

**Renovarea acoperisului si  
termoizolarea fatadei blocului de  
studii, IP Scola Profesionala din  
Cupcini r. Edinet**

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(denumirea obiectivului)

WinCmeta2000  
Formular Nr.3

## DEVIZ LOCAL №

### Lucrari de renovare

**Valoarea de deviz 2 529 168,36 lei**

| № crt. | Simbol norme și Cod resurse | Denumire lucrări și cheltuieli | U.M. | Cantitate conform datelor din proiect | Valoarea de deviz, lei |       |
|--------|-----------------------------|--------------------------------|------|---------------------------------------|------------------------|-------|
|        |                             |                                |      |                                       | Pe unitate de măsură   | Total |
| 1      | 2                           | 3                              | 4    | 5                                     | 6                      | 7     |
|        |                             | Total borderou de resurse № :  |      |                                       |                        |       |

#### Manopera :

|     |               |                        |      |           |       |                   |
|-----|---------------|------------------------|------|-----------|-------|-------------------|
| 1.  | 7122030012940 | Pietrar                | h-om | 27,246    | 61,00 | 1 662,01          |
| 2.  | 7122050013400 | Zidar                  | h-om | 297,591   | 61,00 | 18 153,05         |
| 3.  | 7122050013442 | Tencuitor              | h-om | 1 096,764 | 61,00 | 66 902,60         |
| 4.  | 7123010010200 | Betonist               | h-om | 235,990   | 61,00 | 14 395,40         |
| 5.  | 7123020011140 | Fierar beton           | h-om | 122,831   | 61,00 | 7 492,70          |
| 6.  | 7124010010700 | Dulgher                | h-om | 1 843,495 | 61,00 | 112 453,20        |
| 7.  | 7124010010730 | Dulgher 3              | h-om | 577,702   | 61,00 | 35 239,82         |
| 8.  | 7133010012100 | Ipsosar                | h-om | 64,000    | 61,00 | 3 904,00          |
| 9.  | 7134030012200 | Izolator hidrofug      | h-om | 2 103,941 | 61,00 | 128 340,41        |
| 10. | 7136080025001 | Montator               | h-om | 112,140   | 61,00 | 6 840,54          |
| 11. | 7141020013300 | Zugrav vopsitor        | h-om | 44,368    | 61,00 | 2 706,45          |
| 12. | 7141020013301 | Zugrav vopsitor cat. 3 | h-om | 192,000   | 61,00 | 11 712,00         |
| 13. | 7141020013400 | Vopsitor industrial    | h-om | 5,324     | 61,00 | 324,76            |
| 14. | 7213050013100 | Tinichigiu             | h-om | 1 407,815 | 61,00 | 85 876,71         |
| 15. | 7214240021810 | Lacatus CM             | h-om | 57,570    | 61,00 | 3 511,77          |
| 16. | 7422010060100 | Timplar                | h-om | 39,040    | 61,00 | 2 381,44          |
| 17. | 9310060019900 | Muncitor necalificat   | h-om | 30,250    | 61,00 | 1 845,25          |
| 18. | 9310060019920 | Muncitor deservire CM  | h-om | 1 404,787 | 61,00 | 85 692,02         |
| 19. | 9310060019922 | Muncitor deservire     | h-om | 480,108   | 61,00 | 29 286,59         |
| 20. | 9310060019930 | Muncitor               | h-om | 184,712   | 61,00 | 11 267,44         |
|     |               | <b>Total manopera</b>  |      |           |       | <b>629 988,16</b> |

#### Materiale:

|    |                |                                                                                        |    |       |        |          |
|----|----------------|----------------------------------------------------------------------------------------|----|-------|--------|----------|
| 1. | 1010126200341  | Carbuni de forja (huila)                                                               | kg | 5,095 | 1,00   | 5,10     |
| 2. | 1212121212121  | apa                                                                                    | m3 | 6,019 | 10,00  | 60,19    |
| 3. | 1411122201275  | Blocuri de calcar (cotilet)                                                            | m3 | 6,669 | 650,00 | 4 334,85 |
| 4. | 1421102200513  | Nisip sortat nespalat de riu si lacuri 0,0-3,0 mm                                      | m3 | 2,842 | 250,00 | 710,50   |
| 5. | 1542126108945  | Ulei de in sicativat                                                                   | kg | 1,015 | 16,00  | 16,24    |
| 6. | 1711317306661  | Bumbac de sters                                                                        | kg | 5,612 | 5,00   | 28,06    |
| 7. | 2010102900900  | Lemn rotund de rasinoase                                                               | m3 | 0,240 | 800,00 | 192,00   |
| 8. | 20101029010142 | Lemn rotund de rasinoase pentru fabricarea lemnarei ecarisate sau pregatirea lamanelor | m3 | 0,480 | 800,00 | 384,00   |

|     |                |                                                                           |     |           |          |           |
|-----|----------------|---------------------------------------------------------------------------|-----|-----------|----------|-----------|
|     |                | (пластиты) б=20-24см calitatea a II a                                     |     |           |          |           |
| 9.  | 2010102903495  | Scinduri de rasinoase                                                     | m3  | 9,498     | 3 800,00 | 36 092,40 |
| 10. | 2010102904169  | Dulapuri de rasini cls B, Gr=28-58mm, L=3-3,5m, l=16-30 cm, lung. Tiv     | m3  | 0,358     | 3 800,00 | 1 360,40  |
| 11. | 20101029041691 | Dulapuri ecarisati de rasinoase б = 44мм calit II                         | m3  | 3,140     | 3 800,00 | 11 932,00 |
| 12. | 20101029041693 | Dulapuri ecarisati de rasinoase б=19-22мм calit a III a                   | m3  | 0,480     | 3 800,00 | 1 824,00  |
| 13. | 20101029041694 | Dulapuri ecarisati de rasinoase б=44mm calit a III a                      | m3  | 0,800     | 3 800,00 | 3 040,00  |
| 14. | 2010102904340  | Dulapi de rasinoase                                                       | m3  | 0,160     | 3 800,00 | 608,00    |
| 15. | 2010102906900  | Rigle de rasinoase                                                        | m3  | 5,085     | 3 800,00 | 19 323,00 |
| 16. | 2010102906959  | Rigle de rasin. 38/58;48/48;48/96 L=3-6 m STAS 942-80                     | m3  | 0,358     | 3 800,00 | 1 360,40  |
| 17. | 20101029069611 | Scanduri brute, calit III                                                 | m3  | 0,262     | 3 800,00 | 995,60    |
| 18. | 20101029087371 | Grinzi ecarisate de rasinoase de б=100,125 mm, calit, a II a              | m3  | 24,338    | 3 800,00 | 92 484,40 |
| 19. | 2010102918804  | Cherestea, rasin., calitatea IV                                           | m3  | 0,004     | 3 800,00 | 15,20     |
| 20. | 2010237318750  | Distantieri                                                               | buc | 465,265   | 1,00     | 465,26    |
| 21. | 2020132920073  | Placi PAL grosime 6 mm                                                    | m3  | 0,734     | 4 300,00 | 3 156,20  |
| 22. | 2020142925412  | PFL dur de 6 mm                                                           | m3  | 0,143     | 4 300,00 | 614,90    |
| 23. | 2020212928347  | Panou de cofraj tip P fag g 15 mm                                         | m2  | 15,998    | 65,00    | 1 039,87  |
| 24. | 2030112947000  | Pervaz de rasinoase                                                       | m   | 791,000   | 8,00     | 6 328,00  |
| 25. | 2124117000002  | Fosfat de amoniu, praf, calitate superioara                               | kg  | 44,489    | 12,00    | 533,87    |
| 26. | 2320116200573  | Benzina auto tip CO/R 75                                                  | l   | 0,152     | 20,00    | 3,04      |
| 27. | 2320166200755  | Petrol distilat tip 0/200                                                 | kg  | 26,170    | 20,00    | 523,40    |
| 28. | 2320187315789  | Decofrol                                                                  | kg  | 19,198    | 14,00    | 268,77    |
| 29. | 23203226000361 | Gudron                                                                    | kg  | 67,519    | 16,00    | 1 080,30  |
| 30. | 2412126100010  | Miniu de plumb                                                            | kg  | 10,787    | 35,00    | 377,55    |
| 31. | 2413217300010  | Cleme                                                                     | buc | 56,100    | 12,00    | 673,20    |
| 32. | 24142161094821 | Pasta antiseptica                                                         | kg  | 78,772    | 12,00    | 945,26    |
| 33. | 2430116103000  | Vopsea pe baza de ulei                                                    | kg  | 1,218     | 65,00    | 79,17     |
| 34. | 243011610350   | Vopsea pe baza de poliacetat de vinil                                     | kg  | 40,000    | 18,00    | 720,00    |
| 35. | 2430116104841  | Vopsele uscate pentru vopsiri interioare                                  | kg  | 0,314     | 18,00    | 5,65      |
| 36. | 2430126103294  | Vopsea minium de plumb v.351-3 ntr 90-80                                  | kg  | 1,100     | 35,00    | 38,50     |
| 37. | 2430127317192  | Diamoniu fosfat                                                           | kg  | 175,339   | 16,00    | 2 805,42  |
| 38. | 24302261000001 | Fuga                                                                      | kg  | 19,978    | 32,00    | 639,30    |
| 39. | 2430226101010  | Grund cu cuart "Betonogrunr"                                              | kg  | 332,000   | 32,00    | 10 624,00 |
| 40. | 24302261010110 | Grund cu cuart "Gleta"                                                    | kg  | 332,000   | 12,00    | 3 984,00  |
| 41. | 2430226101337  | Chit de cutit pe baza de ulei C 101-2                                     | kg  | 0,304     | 4,00     | 1,22      |
| 42. | 2430226103064  | Snur profilat din mastic                                                  | kg  | 143,575   | 23,00    | 3 302,22  |
| 43. | 2462106110545  | Adeziv "Ideal Universal"                                                  | kg  | 4 696,742 | 4,20     | 19 726,32 |
| 44. | 2462106110547  | Adeziv "Ideal Fasad"                                                      | kg  | 5 832,831 | 8,00     | 46 662,64 |
| 45. | 2462106110557  | Adeziv de acril sau latex                                                 | kg  | 204,424   | 8,00     | 1 635,39  |
| 46. | 2462106110601  | Paste antiseptice                                                         | kg  | 51,293    | 16,00    | 820,69    |
| 47. | 2521302602902  | Placi termoizolante, placi polistiren celular 100mm                       | m2  | 40,420    | 155,00   | 6 265,10  |
| 48. | 2614122601913  | Impaslitura din fibra de sticla tip 160gr/m2                              | m2  | 1 291,604 | 6,00     | 7 749,63  |
| 49. | 2624102101102  | Mortar gata preparat pentru zidarie, var-ciment, M 50                     | m3  | 0,519     | 800,00   | 415,20    |
| 50. | 2624102101103  | Mortar gata prefabricat pentru zidarie, var-ciment, M 75                  | m3  | 3,288     | 800,00   | 2 630,40  |
| 51. | 2640112302501  | Caramizi ceramice pline, cu goluri sau silicate de dim. 250 x 120 x 65 mm | buc | 5 974,230 | 6,00     | 35 845,38 |
| 52. | 2651122100402  | Ciment metalurgic cu adaosuri M 30 saci S1500                             | kg  | 1 012,656 | 2,80     | 2 835,44  |
| 53. | 2652102100713  | Var pasta                                                                 | m3  | 0,060     | 600,00   | 36,00     |

|      |                |                                                                    |     |           |          |            |
|------|----------------|--------------------------------------------------------------------|-----|-----------|----------|------------|
| 54.  | 2653102100830  | Glet FASAD                                                         | kg  | 350,000   | 8,00     | 2 800,00   |
| 55.  | 26531021008311 | Tink                                                               | kg  | 1 840,000 | 35,00    | 64 400,00  |
| 56.  | 26631021000001 | Beton B15                                                          | m3  | 33,045    | 1 200,00 | 39 654,00  |
| 57.  | 2664102101101  | Mortar gata preparat pentru zidarie, var-ciment, M 25              | m3  | 0,741     | 800,00   | 592,80     |
| 58.  | 2666122800555  | Element de inchidere                                               | buc | 23,299    | 23,00    | 535,88     |
| 59.  | 2670112202051  | Placi din ceramica granit                                          | m2  | 47,389    | 180,00   | 8 530,02   |
| 60.  | 2681126001472  | Hirtie pentru slefuit uscata 23x30 gr 6                            | buc | 1,015     | 1,00     | 1,01       |
| 61.  | 2682132600001  | Cerceveli (Переплеты)                                              | m2  | 4,000     | 1 500,00 | 6 000,00   |
| 62.  | 26821326004260 | Carton gudronat (толь)                                             | m2  | 37,947    | 12,00    | 455,36     |
| 63.  | 2682132600465  | Folie suplimentara polimerica                                      | m2  | 1 079,774 | 8,00     | 8 638,19   |
| 64.  | 2682132601626  | Carton bitumat                                                     | m2  | 74,326    | 12,00    | 891,91     |
| 65.  | 2682162611370  | Placi vata minerala termoiz. cladiri                               | m2  | 1 206,666 | 210,00   | 253 399,86 |
| 66.  | 2682162611387  | Placi vata minerala termoiz. cladiri "Технофас" 145 kg/m3          | m2  | 8,363     | 210,00   | 1 756,23   |
| 67.  | 2710403642000  | Tabla zincata ondulata sau cutata                                  | m2  | 1 100,740 | 130,00   | 143 096,20 |
| 68.  | 2710403643220  | Tabla zincata plana de 0,75 mm                                     | kg  | 574,299   | 28,00    | 16 080,37  |
| 69.  | 2710406311726  | Burlan rotund prefabricat tip brass                                | m   | 117,810   | 130,00   | 15 315,30  |
| 70.  | 2710406311800  | Jgheaburi semirotunde prefabricate tip brass                       | m   | 122,318   | 130,00   | 15 901,34  |
| 71.  | 2710602100000  | Otel beton OB 37 diam. mai mic sau egal de 8 mm                    | kg  | 397,146   | 16,00    | 6 354,34   |
| 72.  | 2710602200000  | Otel beton PC 52 diam mai mare de 8 mm                             | kg  | 1 265,259 | 16,00    | 20 244,14  |
| 73.  | 2710602300000  | Otel beton OB 37 diam. mai mare de 8 mm                            | kg  | 124,139   | 16,00    | 1 986,22   |
| 74.  | 2710703501057  | Cornier din aluminiu l = 3m                                        | m   | 399,223   | 10,00    | 3 992,23   |
| 75.  | 2734113803207  | Sirma neagra moale d = 2 mm                                        | kg  | 1,930     | 22,00    | 42,46      |
| 76.  | 2734113803233  | Sirma neagra moale d = 2,5 mm                                      | kg  | 7,999     | 22,00    | 175,98     |
| 77.  | 2734113803881  | Sirma din otel moale, neagra, D=1 mm                               | kg  | 16,617    | 22,00    | 365,58     |
| 78.  | 2743123549026  | Glafuri din aluminiu pentru ferestre                               | m   | 122,000   | 120,00   | 14 640,00  |
| 79.  | 2775276309886  | Confectii metalice inglobate in beton                              | kg  | 193,000   | 22,00    | 4 246,00   |
| 80.  | 2811236309800  | Confectii metalice diverse                                         | kg  | 110,000   | 22,00    | 2 420,00   |
| 81.  | 2811236309900  | Confectii metalice                                                 | kg  | 560,914   | 22,00    | 12 340,11  |
| 82.  | 2811237329800  | Materiale de prindere (cuie, buloane, piulite, saibe, sirma, etc.) | kg  | 3,576     | 22,00    | 78,67      |
| 83.  | 28631463108081 | Balamale (петли)                                                   | buc | 32,000    | 56,00    | 1 792,00   |
| 84.  | 28631463112701 | Cremon (ручка оконная)                                             | buc | 8,000     | 15,00    | 120,00     |
| 85.  | 28731220007511 | Piese forjate din semifabricate masa 1,8 kg (Поковки)              | kg  | 88,978    | 22,00    | 1 957,52   |
| 86.  | 2873145887000  | Cuie cu cap conic tip A pentru constructii                         | kg  | 177,799   | 22,00    | 3 911,58   |
| 87.  | 2873155900311  | Electrozi E-42A, 4 mm                                              | kg  | 5,393     | 65,00    | 350,54     |
| 88.  | 2873155901200  | Electrozi pentru sudura                                            | kg  | 1,515     | 65,00    | 98,48      |
| 89.  | 2874115825003  | Suruburi uzuale patrate M 10 x 140 mm                              | buc | 47,994    | 2,00     | 95,99      |
| 90.  | 28741158254550 | Buloane de constructii cu piulite si saibe                         | kg  | 196,275   | 22,00    | 4 318,05   |
| 91.  | 2874115829126  | Suruburi cu cap inecat crestas 6 x 30 mm                           | buc | 488,000   | 0,20     | 97,60      |
| 92.  | 2874115830000  | Pilnii de curatire                                                 | buc | 28,050    | 120,00   | 3 366,00   |
| 93.  | 2874115833870  | Suruburi autofiletante                                             | buc | 4 785,827 | 6,00     | 28 714,96  |
| 94.  | 2874115837745  | Suruburi                                                           | buc | 1 164,930 | 6,00     | 6 989,58   |
| 95.  | 2874115841033  | Piulite uzuale patrate M 10                                        | buc | 47,994    | 0,10     | 4,80       |
| 96.  | 2874125881241  | Saibe uzuale M 10                                                  | kg  | 0,800     | 0,10     | 0,08       |
| 97.  | 2874125886734  | Nituri POP                                                         | buc | 4 785,827 | 0,20     | 957,17     |
| 98.  | 2874136313400  | Diblu din material plastic                                         | buc | 9 300,565 | 0,10     | 930,06     |
| 99.  | 28741458870491 | Cuie de constructie                                                | kg  | 89,710    | 22,00    | 1 973,62   |
| 100. | 2875274000050  | Elemente de legatura                                               | buc | 39,699    | 120,00   | 4 763,88   |
| 101. | 2875274000501  | Cot de jgheab                                                      | buc | 23,299    | 180,00   | 4 193,82   |
| 102. | 2875274000502  | Cot burlan                                                         | buc | 56,100    | 180,00   | 10 098,00  |
| 103. | 2875274000503  | Cot de capat                                                       | buc | 28,050    | 180,00   | 5 049,00   |
| 104. | 2875274110001  | Piesa de legatura                                                  | buc | 28,050    | 25,00    | 701,25     |
| 105. | 2875274110101  | Piesa de racordare jgheab -burlan                                  | buc | 23,299    | 210,00   | 4 892,79   |

|      |                |                                       |     |            |       |                     |
|------|----------------|---------------------------------------|-----|------------|-------|---------------------|
| 106. | 2875276311231  | Cirlige din otel zn pentru jgheaburi  | buc | 163,090    | 78,00 | 12 721,02           |
| 107. | 2875276311528  | Scoabe din otel pentru constructii    | kg  | 4,799      | 22,00 | 105,57              |
| 108. | 28752763120001 | Шпильки (fise)                        | buc | 11 267,203 | 0,01  | 112,67              |
| 109. | 4011106202741  | Energie electrica                     | kw  | 2,424      | 4,50  | 10,91               |
| 110. | 4100116202806  | Apa                                   | m3  | 0,570      | 10,00 | 5,70                |
| 111. | 4100116202818  | Apa pentru mortare si betoane         | m3  | 16,829     | 10,00 | 168,29              |
| 112. | 4100126202818  | Apa                                   | m3  | 3,293      | 10,00 | 32,93               |
| 113. | 810741         | Hirtie pentru slefuit uscata          | buc | 80,000     | 0,30  | 24,00               |
|      |                | <b>Total materiale de construcții</b> |     |            |       | <b>1 081 089,69</b> |

#### Utilaje de construcții:

|     |                |                                                                                  |      |        |        |                  |
|-----|----------------|----------------------------------------------------------------------------------|------|--------|--------|------------------|
| 1.  | 2410520006700  | Automacara                                                                       | h-ut | 0,157  | 650,00 | 102,05           |
| 2.  | 24105200067531 | Automacara 10 t cu brat cu zabrele (кран на автомобильном ходу)                  | h-ut | 4,805  | 650,00 | 3 123,25         |
| 3.  | 2912340002509  | Motocompresor mobil de aer de joasa presiune, debit 4,0 - 5,9 mc/min             | h-ut | 8,355  | 23,00  | 192,16           |
| 4.  | 2922140006702  | Macara de fereastră                                                              | h-ut | 93,251 | 25,00  | 2 331,27         |
| 5.  | 2922140006703  | Macara fereastră                                                                 | h-ut | 24,364 | 25,00  | 609,10           |
| 6.  | 2922140006705  | Macara fereastră de 0,0018 MN (0,18 tf)                                          | h-ut | 1,462  | 25,00  | 36,55            |
| 7.  | 2922140006707  | Macara turn cu brat inclinabil, 3,5-12,5 TF moment maxim=80-150 TFM              | h-ut | 3,200  | 650,00 | 2 080,00         |
| 8.  | 2922140007000  | Macara                                                                           | h-ut | 18,526 | 650,00 | 12 041,90        |
| 9.  | 2940340004000  | Masina de fasonat otel beton cu motor electric                                   | h-ut | 0,207  | 25,00  | 5,17             |
| 10. | 2940420007679  | Fierastrau mecanic                                                               | h-ut | 7,152  | 2,00   | 14,30            |
| 11. | 29405200076091 | Masina de gaurit electrica (дрель электрическая)                                 | h-ut | 6,019  | 8,00   | 48,15            |
| 12. | 2952160007200  | Utilaj de ridicat pentru lucrari de finisaj                                      | h-ut | 73,547 | 12,00  | 882,56           |
| 13. | 2952270002921  | Agregat pentru prepararea solutiilor (fara tractor)                              | h-ut | 1,570  | 56,00  | 87,92            |
| 14. | 2952270003100  | Vibrator de adincime                                                             | h-ut | 18,780 | 8,00   | 150,24           |
| 15. | 2952270003205  | Masina de taiat piatra universala                                                | h-ut | 3,358  | 5,00   | 16,79            |
| 16. | 2952270003370  | Ciocan pneumatic 8-15 kg                                                         | h-ut | 8,355  | 5,00   | 41,78            |
| 17. | 2952270003817  | Malaxor pentru mortar de 200 L actionat electric                                 | h-ut | 4,626  | 45,00  | 208,17           |
| 18. | 2952270003820  | Malaxor mobil, electric                                                          | h-ut | 0,506  | 5,00   | 2,53             |
| 19. | 2952270004100  | Stanta sau foarfeca electrica de taiat otel beton                                | h-ut | 0,068  | 3,00   | 0,20             |
| 20. | 2952270004250  | Masina automata de taiat si indreptat otel beton                                 | h-ut | 0,060  | 45,00  | 2,70             |
| 21. | 2952270006600  | Troliu cu act. electrica                                                         | h-ut | 0,032  | 150,00 | 4,80             |
| 22. | 2952270007607  | Masina de gaurit electrica cu ajutoraj de snec                                   | h-ut | 4,800  | 5,00   | 24,00            |
| 23. | 2955270002608  | Fierastrau mecanic cu lant de 2,2 kw, 3 cp (Drujba, бензопила)                   | h-ut | 8,636  | 3,00   | 25,91            |
| 24. | 2955270002609  | Fierastrau mecanic cu lant de 2,2 kw, 3 cp (Drujba, пила дисковая электрическая) | h-ut | 1,280  | 3,00   | 3,84             |
| 25. | 3110500002401  | Aparat de sudura 28-35 Kw                                                        | h-ut | 42,720 | 45,00  | 1 922,40         |
| 26. | 3410540000001  | Autocamion, 5 t                                                                  | h-ut | 9,787  | 450,00 | 4 404,15         |
| 27. | 3410540000006  | Autobasculanta-5t                                                                | h-ut | 2,750  | 450,00 | 1 237,50         |
|     |                | <b>Total utilaje de construcții</b>                                              |      |        |        | <b>29 599,39</b> |

#### **Total:**

|                            |          |              |
|----------------------------|----------|--------------|
| Cheltuieli directe         | lei      | 1 740 677,24 |
| Fondul social              | 24,00 %  | 151 197,16   |
| Transportarea materialelor | 7,00 %   | 75 676,28    |
| Total                      | 100,00 + | 1 967 550,68 |
| Cheltuieli de regie        | 4,00 %   | 78 702,03    |

|           |          |              |
|-----------|----------|--------------|
| Total     | 100,00 + | 2 046 252,71 |
| Beneficiu | 3,00 %   | 61 387,58    |
| Total     | 100,00 + | 2 107 640,29 |
| TVA       | 20,00 %  | 421 528,07   |

**Total deviz:** **2 529 168,36**

Intocmit (Seralcon SRL)  
(funcția, semnătura)

Verificat (I.P.Scoala Profesionala Cupcini)  
(funcția, semnătura)