

17. veljače 2023.
od 13:00 do 14:00



Županijsko natjecanje

Osnove informatike

Srednje škole

RJEŠENJA -



Sadržaj

| | |
|-------------------------|---|
| Rješenja zadataka | 3 |
|-------------------------|---|

Rješenja zadataka

| | Rješenje | Mogući bodovi | | | | | | | | | | | | | | | | |
|-----|---|---------------|---|---|---|---|---|---|---|-----------------|---|---|---|--------------------------------|---|---|---|-----------------|
| 1. | Odgovor: A A | 0.5 + 0.5 | | | | | | | | | | | | | | | | |
| 2. | Odgovor: A | 1 | | | | | | | | | | | | | | | | |
| 3. | Odgovor: B | 1 | | | | | | | | | | | | | | | | |
| 4. | Odgovor: B | 1 | | | | | | | | | | | | | | | | |
| 5. | Odgovor: A | 1 | | | | | | | | | | | | | | | | |
| 6. | Odgovor: B | 1 | | | | | | | | | | | | | | | | |
| 7. | Odgovor: C | 2 | | | | | | | | | | | | | | | | |
| 8. | Odgovor: A | 2 | | | | | | | | | | | | | | | | |
| 9. | Odgovor: A | 2 | | | | | | | | | | | | | | | | |
| 10. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td> </tr> <tr> <td>2</td><td>7</td><td>5</td><td>3</td><td>4</td><td>6</td><td>8</td><td>1</td> </tr> </table> | A | B | C | D | E | F | G | H | 2 | 7 | 5 | 3 | 4 | 6 | 8 | 1 | 2 (8 x 0.25) |
| A | B | C | D | E | F | G | H | | | | | | | | | | | |
| 2 | 7 | 5 | 3 | 4 | 6 | 8 | 1 | | | | | | | | | | | |
| 11. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td> </tr> <tr> <td>7</td><td>4</td><td>8</td><td>9</td> </tr> </table> | A | B | C | D | 7 | 4 | 8 | 9 | 1 (4 x 0.25) | | | | | | | | |
| A | B | C | D | | | | | | | | | | | | | | | |
| 7 | 4 | 8 | 9 | | | | | | | | | | | | | | | |
| 12. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td> </tr> <tr> <td>1</td><td>5</td><td>3</td><td>4</td> </tr> </table> | A | B | C | D | 1 | 5 | 3 | 4 | 1 (4 x 0.25) | | | | | | | | |
| A | B | C | D | | | | | | | | | | | | | | | |
| 1 | 5 | 3 | 4 | | | | | | | | | | | | | | | |
| 13. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table> | A | B | C | D | E | F | G | H | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 2 (8 x 0.25) |
| A | B | C | D | E | F | G | H | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | |
| 14. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td> </tr> </table> <p style="text-align: center;">A, C, D, E</p> | A | B | C | D | E | F | 1 | 2 | 3 | 4 | 5 | 6 | 1 + 1 (6 x 0.17) (4 x 0.25) | | | | |
| A | B | C | D | E | F | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | |

| | Rješenje | Mogući bodovi | | | | | | | | | | | | | | | | | | | | |
|-----|--|-------------------------------------|---|---|---|---|---|---|----|-----------------|---|---|---|---|---|---|---|---|---|---|----|-----------------|
| 15. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> | A | B | C | D | 1 | 2 | 3 | 4 | 1 (4 x 0.25) | | | | | | | | | | | | |
| A | B | C | D | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | |
| 16. | Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> <td>G</td> <td>H</td> <td>I</td> <td>J</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </table> | A | B | C | D | E | F | G | H | I | J | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 2 (10 x 0.2) |
| A | B | C | D | E | F | G | H | I | J | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | |
| 17. | Odgovor: <u>44</u> ₍₁₆₎ | 2 | | | | | | | | | | | | | | | | | | | | |
| 18. | Odgovor: <u>12</u> ₍₈₎ | 1 | | | | | | | | | | | | | | | | | | | | |
| 19. | Odgovor: <u>00001011</u> ₍₂₎ | 2 | | | | | | | | | | | | | | | | | | | | |
| 20. | Odgovor: A) <u>3 MiB</u> B) <u>1228.8 KiB</u> | 1 + 1 | | | | | | | | | | | | | | | | | | | | |
| 21. | Odgovor: <u>262</u> ₍₁₆₎ | 2 | | | | | | | | | | | | | | | | | | | | |
| 22. | Odgovor: $\overline{A \cdot B \cdot C}$ ili $\overline{NE(A \cdot B \cdot C)}$ | 2 | | | | | | | | | | | | | | | | | | | | |
| 23. | Odgovor: <u>8</u> | 2 | | | | | | | | | | | | | | | | | | | | |
| 24. | Odgovor: <u>8 5 7 1 4</u> | 1 | | | | | | | | | | | | | | | | | | | | |
| 25. | Odgovor: najmanja= <u>-199</u> , najveća= <u>250</u> | 1 + 1 | | | | | | | | | | | | | | | | | | | | |
| 26. | Odgovor: rez1= <u>72</u> rez2= <u>9</u> | 1 + 1 | | | | | | | | | | | | | | | | | | | | |
| 27. | Odgovor: C D | 2 (točan +1; netočan -0.67) | | | | | | | | | | | | | | | | | | | | |
| 28. | Odgovor: A C | 1 (točan +0.5; netočan -0.33) | | | | | | | | | | | | | | | | | | | | |
| 29. | Odgovor: C D | 1 (točan +0.5; netočan -0.33) | | | | | | | | | | | | | | | | | | | | |
| 30. | Odgovor: D E | 1 (točan +0.5; netočan -0.25) | | | | | | | | | | | | | | | | | | | | |