

Zonal Informatics Olympiad, 2005: *Answer sheet*

| | |
|----------------------------|---------------|
| Name: | Class: |
| School: | |
| Examination Centre: | |

Write only your final answers in the space provided. Write all rough work on separate sheets.

1. (a) Length of longest dance: (b) Length of longest dance:

(c) Length of longest dance:

2. (a) Location of supervisor's office: (b) Location of supervisor's office:

(c) Location of supervisor's office:

3. (a) Value at position 411: (b) Value at position 1000:

(c) Value at position 1245:

4. *Bonus marks earned*

Schedule^a

(a)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| i | h | b | d | j | g | l | a | c | e | f | k |
|---|---|---|---|---|---|---|---|---|---|---|---|

(b)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| k | i | c | e | m | n | f | h | j | a | d | g | b | l | o |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

(c)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| b | n | g | a | i | l | m | j | o | e | d | c | f | h | k |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

5. (a) Minimum effort required: (b) Minimum effort required:

(c) Minimum effort required:

^aNote: There are other feasible schedules yielding the same number of bonus marks.