

CHINIOT ISLAMIA PUBLIC SCHOOL AND COLLEGE

1ST QUARTERLY TEST

Computer Science - Grade O-I

Name: _____	Section: _____	Roll No: _____
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Time: 2 Hours

Total Marks: 20

INSTRUCTIONS

- Answer all questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- Calculators must not be used in this paper.

INFORMATION

- The total mark for this paper is 20.
- The number of marks for each question or part question is shown in brackets [].
- No marks will be awarded for using brand names of software packages or hardware.

INSTRUCTIONS • Answer all questions. • Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs. • Write your name, centre number and candidate number in the boxes at the top of the page. • Write your answer to each question in the space provided. • Do not use an erasable pen or correction fluid. • Do not write on any bar codes. • Calculators must not be used in this paper.

INFORMATION • The total mark for this paper is 75. • The number of marks for each question or part question is shown in brackets []. • No marks will be awarded for using brand names of software packages or hardware.

Q1 .

1. Describe how the compiler translates the computer program and how the compiler reports errors.

2. The programmer uses an integrated development environment (IDE) to create the computer program. one function of the IDE is that it has the built-in compiler. Give **three** other common functions of an IDE. and also identify the type of software that is used to find and remove malware from a computer.

Q2 .

1.

All data needs to be converted to binary data so that it can be processed by a computer.

(a) Explain why a computer can only process binary data.

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..... [2]

(b) The denary values 64, 101 and 242 are converted to 8-bit binary values.

Give the 8-bit binary value for each denary value.

64

101

242 [3]

2.

Convert the denary numbers 14, 59 and 234 to binary.

14

59

234 [3]

Working space

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Convert the denary numbers 9, 26 and 65 to hexadecimal.

9

26

65 [3]