ANSWER THESE QUESTIONS ON THE EXAMINATION PAPER IN THE SPACE PROVIDED. IF INSUFFICIENT SPACE IS PROVIDED, CONTINUE YOUR ANSWER ON THE BACK OF THE SAME PAGE, **CLEARLY INDICATING** THE QUESTION BEING ANSWERED.

Please answer **all** 5 questions and write your answers on the question paper. Some of the questions may have several parts. Marks for each question may be different but are indicated with the question. When answering programming questions using C++, detailed attention to C++ syntax (like missing semi-colons) is not very important, unless the question refers to issues associated with syntax or where the meaning changes because of syntax.

Rough answers can be done using a pencil. Answers that you want marked should be written using a **black or blue** pen.

***This is just filler text where the actual question will be. (taken from*** [***https://www.lipsum.com/***](https://www.lipsum.com/)***). For actual examples of exam questions, see Test1.pdf and Test2.pdf in Practice exercises. The QandA files for labs/assignments/exam are very relevant when attempting the exam.***

1. This question has 3 parts.
   1. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum (taken from https://www.lipsum.com/).

“*Excepteur sint occaecat cupidatat*”.

[5 marks]

* 1. At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio.  
       
     Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae si?

Nam libero tempore, cum soluta nobis est eligendi?

[5 marks]

* 1. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum (taken from https://www.lipsum.com/**)**.

[10 marks]

# *Question 2 and the rest of the questions in the exam are formatted similarly. Number of parts in each question can be different.* *For actual examples of exam questions, see Test1.pdf and Test2.pdf in Practice exercises. The QandA files for labs/assignments/exam are very relevant when attempting the exam.*

*The questions would be in English and not in Latin as shown in filler question 1.*

**\*\*\*\*\*END OF PAPER\*\*\*\*\***

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