Name: Class: Mark:

1. (a) Define ROM. [1]

(b) Explain **one** use of ROM. [2]

(c) Define what RAM stands for. [1]

(d) Explain **two** uses of RAM. [4]

2. (a) Many modern computers make use of virtual memory.

Describe the role and purpose of virtual memory in a computer system [4]

(b) Explain how increasing the amount of RAM in a computer system can improve performance. [2]

3. A number of scenarios are shown in the table below.

Tick (✓) **one** box in each row to show whether RAM or ROM would be used   
for each of the given scenarios. [6]

|  |  |  |
| --- | --- | --- |
| **Scenario** | **RAM** | **ROM** |
| An MP3 currently playing in the web browser |  |  |
| A word processed document currently minimised |  |  |
| The BIOS of the operating system |  |  |
| An email currently being written |  |  |
| Instructions on how to boot up the computer |  |  |
| A computer game that is currently being played |  |  |

[Total 20 marks]