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| **Theory Notes Task: Types of Operating System** |

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| 1a. What is meant by a ‘multi-tasking operating system’?  One that either completes tasks simultaneously in the case that it has more than one core or one that gives off the illusion that it does complete tasks simultaneously |

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| 1b. Give two examples of multi-tasking operating systems  Linux  Windows 98  Windows XP  Windows Vista  Windows 7  Windows 8  Windows 10  Windows 11  Android |

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| 2a. What is meant by a ‘multi-user operating system’?  One in which many users can use a central powerful mainframe which can process very quickly |

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| 2b. List three tasks performed by a multi-user operating system |

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| 3a. What is meant by a ‘distributed operating system’? |

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| 3b. Give an example where a distributed operating system might be used |

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| 4a. What is meant by a ‘real-time operating system’? |

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| 4b. Give an example where a real-time operating system might be used |

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| 5a. What is meant by an ‘embedded operating system’? |

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| 5b. Give an example where an embedded operating system might be used |