

Teacher Resource Bank

GCE Computing

Legacy specification question papers matched to topics in the specification for 2009 and thereafter



LIST OF QUESTIONS BY UNIT

Unit 1

Unit sub-topic 1.1

Year	Session	Paper	Question Part	Topic
2002	Summer	CPT1	8	Hand trace simple
2003	Winter	CPT1	10	Dry run - bubble sort
2004	Winter	CPT1	7 b	Hand trace
2004	Summer	CPT1	7	Hand trace
2005	Winter	CPT1	7	Hand trace
2005	Summer	CPT1	9	Hand trace
2007	Winter	CPT1	6 b (ii)	Simple algorithm
2008	Winter	CPT1	4	Software

Unit sub-topic 1.2

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	3 c	Programming/ trace
2002	Winter	CPT1	7	Programming
2002	Summer	CPT1	3 c	Programming
2002	Summer	CPT1	5	Data types
2002	Summer	CPT1	3 d	Programming
2002	Summer	CPT1	6	Advantage of
2003	Winter	CPT1	5	Programming
2003	Summer	CPT1	7	Programming dry
2004	Winter	CPT1	9	Programming and
2004	Summer	CPT1	8	Programming
2005	Winter	CPT1	6	Programming
2005	Summer	CPT1	6	Programming
2006	Winter	CPT1	2 a,b,c	Programming
2006	Winter	CPT1	10	Programmng
2006	Summer	CPT1	4 c,d	Structure chart and

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2006	Summer	CPT1	2 a,b,c,d,	use of arrays
2006	Summer	CPT2	5	Validation on data
2007	Winter	CPT1	6 b (i)	Data types
2007	Winter	CPT1	9 b,c	Programming
2007	Winter	CPT1	6 a	Structured
2007	Summer	CPT1	4	Programming
2007	Summer	CPT1	2	Programming
2008	Winter	CPT1	7	Programming
2008	Winter	CPT1	10	Programming

Unit sub-topic 1.3

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	9	Sound and graphics
2001	Summer	CPT1	7 a	Binary numbers
2002	Winter	CPT1	5	Image
2002	Summer	CPT1	7 d	Bit mapped graphics
2002	Summer	CPT1	10 a	ASCII coding
2002	Summer	CPT1	7 c	Coding systems
2002	Summer	CPT4	8	Binary numbers
2003	Winter	CPT1	7	Representing sound
2003	Winter	CPT1	6	Image
2003	Winter	CPT4	5 a (i)	Hex numbers
2003	Summer	CPT1	2 c	Parity bits
2003	Summer	CPT1	4	Sound and graphics
2004	Winter	CPT1	3 a,b,c	Binary numbers
2004	Winter	CPT4	1 a,,b	Binary and
2004	Summer	CPT1	3 3	Parity bits
2004	Summer	CPT1	6 a,b,c	Sound and images
2004	Summer	CPT1	6 d	Coding characters
2004	Summer	CPT4	4 a	Binary subtraction
2005	Winter	CPT1	5 d	Image
2005	Winter	CPT1	5 c	Ascii coding
2005	Winter	CPT4	7 a,b,c	Hex and binary

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2005	Summer	CPT1	4	Representation of
2006	Winter	CPT1	9 b	Image
2006	Winter	CPT4	1 a,b,c	Hex and binary
2006	Summer	CPT1	5 b	synthesised sound
2006	Summer	CPT1	6	vector graphics
2006	Summer	CPT1	4 a,b	ASCII code, tracing
2006	Summer	CPT4	1 a,b,d	Binary numbers
2007	Winter	CPT4	1 a,b,c	Twos complement,
2007	Summer	CPT1	6	Binary numbers
2007	Summer	CPT4	1 a,b,c	Binary numbers
2008	Winter	CPT1	3	Sound and data
2008	Winter	CPT1	5	Graphcs
2008	Winter	CPT1	8	Binary numbers
2008	Winter	CPT4	1 a, b, c	Binary numbers

Unit sub-topic 1.4

Year	Session	Paper	Question Part	Topic
2003	Winter	CPT5	1	System life cycle
2003	Winter	CPT5	2	System life cycle
2004	Winter	CPT5	8	Testing
2005	Summer	CPT5	6	Conversion and
2005	Summer	CPT5	2	Testing
2006	Summer	CPT5	3	select test data
2007	Winter	CPT5	2	Testing
2008	Winter	CPT5	3	Selecting test data

Unit 2

Unit sub-topic 2.1

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	5	Software
2002	Winter	CPT1	1 b	Language
2002	Summer	CPT1	2	Classification of
2002	Summer	CPT1	3 a,b	Generations of

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2003	Winter	CPT1	1	Hardware/ software
2003	Winter	CPT1	9	Translator software
2003	Summer	CPT1	1	Software
2004	Winter	CPT1	2	Generations of
2004	Summer	CPT1	1	Software
2004	Summer	CPT1	2	Programming
2005	Winter	CPT1	2	Software
2005	Summer	CPT1	1	Classification of
2006	Winter	CPT1	2 d	Translator software
2006	Winter	CPT1	1	Software
2006	Winter	CPT1	3	Generations of
2006	Summer	CPT1	7	Software
2007	Winter	CPT1	2	Software
2007	Summer	CPT1	1	Software
2007	Summer	CPT2	6 a	Software

Unit sub-topic 2.3

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	6 b,c	Computer
2002	Winter	CPT1	1 a	Fetch-execute cycle
2002	Winter	CPT4	2	Clock speed
2002	Summer	CPT1	4	Structure of the
2002	Summer	CPT4	9	Structure of the
2003	Winter	CPT1	4	Structure of the
2003	Summer	CPT1	3	Architecture
2004	Winter	CPT1	1 a	Structure of the
2004	Winter	CPT4	3 a	Buses
2004	Summer	CPT1	3 a,b,c, d	Structure of the
2004	Summer	CPT4	2 c	Fetch execute cycles
2005	Winter	CPT1	3	Internal components
2005	Summer	CPT1	3	Structure of the
2006	Winter	CPT1	4	Upgrading internal
2006	Winter	CPT4	5 a	Fetch-execute cycle

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2006	Summer	CPT1	1	PC's main memory,
2006	Summer	CPT4	7	Improving processor
2007	Winter	CPT4	2	Fetch-execute cycle
2007	Summer	CPT1	7	Architecture
2007	Summer	CPT4	3	ALU and registers
2008	Winter	CPT1	1	Hardware & software
2008	Winter	CPT1	2	Processor

Unit sub-topic 2.4

Year	Session	Paper	Question Part	Topic
2002	Winter	CPT2	6 b	Hardware devices
2002	Winter	CPT4	3	Registers in FE cycle
2003	Summer	CPT5	6	Hardware devices
2004	Winter	CPT5	3	Use of hardware
2004	Summer	CPT2	2 b	Storage devices
2004	Summer	CPT5	8	Use of I/O devices in
2005	Winter	CPT2	7	Storage devices
2005	Winter	CPT2	1	Input/output devices
2005	Winter	CPT5	8	Input/output devices
2005	Summer	CPT5	5	Input/output devices
2006	Winter	CPT5	5 b	Input/ ouput devices
2006	Summer	CPT2	2	Storage devices
2007	Winter	CPT2	3	Storage devices
2007	Winter	CPT5	1	Hardware
2007	Summer	CPT2	7	Hardware devices
2007	Summer	CPT2	3	Input/output devices
2008	Winter	CPT2	1	Secondary storage

Unit sub-topic 2.5

Year	Session	Paper	Question Part	Topic
2002	Winter	CPT1	9 c,d	Domain names,
2002	Summer	CPT5	7 a,c	Internet/ domain
2003	Summer	CPT1	6	Parts of URL

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2004	Winter	CPT1	6	URL, domain name,
2004	Summer	CPT5	10	(extracts of) telnet,
2004	Summer	CPT5	10 d	Protocols,
2005	Winter	CPT1	9	Parts of domain
2005	Winter	CPT5	10 a,d,e,g,	Protocol suite/
2005	Summer	CPT1	8	Internet, IP
2006	Winter	CPT1	7	Web browsers, URL,
2006	Summer	CPT4	2	Client-server
2007	Winter	CPT1	8	Parts of a URL
2007	Winter	CPT5	6	Networking
2007	Summer	CPT1	3 b	Domain nmaes
2008	Winter	CPT5	5	Packet Switching
2008	Winter	CPT5	4 b	Domain Name

Unit sub-topic 2.6

Year	Session	Paper	Question Part	Topic
2002	Summer	CPT5	7 b	HTML
2003	Winter	CPT5	7	HTML
2004	Winter	CPT5	6	HTML
2005	Winter	CPT5	7	HTML
2005	Summer	CPT5	9	HTML
2006	Summer	CPT5	7	construct a web
2008	Winter	CPT5	2 c,d,e	HTML

Unit sub-topic 2.7

Year	Session	Paper	Question Part	Topic
2001	Winter	CPT2	5 a,b	Legislation
2001	Summer	CPT1	1 c	Domain name
2002	Winter	CPT2	3	Ethical
2002	Summer	CPT2	5	Legislation
2003	Winter	CPT2	2	Use of technology
2003	Winter	CPT2	3	Legislation
2003	Summer	CPT2	3	Social & ethical

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2003	Summer	CPT2	5	Legislation
2004	Winter	CPT2	5	Social and ethical
2004	Winter	CPT2	4	Legislation
2004	Summer	CPT2	2 a	Legislation
2005	Summer	CPT2	4 b	Legislation
2005	Summer	CPT2	3	Social and ethical
2006	Winter	CPT2	5	Data held on
2006	Winter	CPT2	9	Legislation
2006	Summer	CPT1	3 e	Domain names
2006	Summer	CPT2	4	Legislation
2007	Winter	CPT2	5 b	DPA ; needs
2007	Winter	CPT2	9	SPAM and
2007	Winter	CPT5	3 a	Legislation
2007	Summer	CPT2	9	Economic and
2007	Summer	CPT2	6 b	Legislation
2007	Summer	CPT2	4	Data protection
2008	Winter	CPT2	8	Legislation

Unit 3

Unit sub-topic 1.2

Year	Session	Paper	Question Part	Topic
2002	Winter	CPT1	10	Programming (trace

Unit sub-topic 3.2

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	8	Binary tree
2002	Winter	CPT4	1	Object-oriented
2002	Winter	CPT4	10	Data structures - lists
2002	Summer	CPT4	4	Binary search
2002	Summer	CPT4	5	Stacks and queues
2002	Summer	CPT4	7	Object-oriented
2002	Summer	CPT4	2	Data structures -
2003	Winter	CPT4	1	Data structures -

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2003	Winter	CPT4	10	Object-oriented
2003	Winter	CPT4	3	Binary and linear
2003	Summer	CPT4	6	Data structures - lists
2003	Summer	CPT4	8	Data structures -
2003	Summer	CPT4	3	Object-oriented
2003	Summer	CPT4	1	Stacks and Queues
2004	Winter	CPT1	8	Stacks
2004	Winter	CPT4	5	Dry run using
2004	Winter	CPT4	6	Binary search
2004	Winter	CPT4	7	Object-oriented
2004	Summer	CPT1	4	Binary search tree
2004	Summer	CPT4	3	Object oriented
2004	Summer	CPT4	8	Dry run - binary
2005	Winter	CPT4	5	Object oriented
2005	Summer	CPT1	7	Data structures:
2006	Winter	CPT4	4	Binary tree
2006	Winter	CPT4	2	Data structure: stack,
2006	Winter	CPT4	6	Object-oriented
2006	Summer	CPT4	5	Linear and binary
2007	Winter	CPT1	4	Data structures -
2007	Winter	CPT4	6	Data structures -
2007	Winter	CPT4	7	Algorithms - Binary
2007	Winter	CPT4	8	OOP and Event
2007	Summer	CPT1	5	Stacks
2007	Summer	CPT4	8	Stacks and recursion
2007	Summer	CPT4	7	Object-oriented
2008	Winter	CPT1	9	Binary tree
2008	Winter	CPT4	4	Object-oriented
2008	Winter	CPT4	6	Data structures

Unit sub-topic 3.3

Year	Session	Paper	Question Part	Topic
2002	Winter	CPT4	8	Real numbers

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2003	Winter	CPT4	5 a(ii), b	Floating point
2003	Summer	CPT4	4	Real numbers
2004	Winter	CPT4	1 c	Floating point
2004	Summer	CPT4	4 b	Floating point
2005	Winter	CPT4	7 d	Floating point
2006	Winter	CPT4	1 d,e	Floating point
2007	Winter	CPT4	1 d,e	Floating point
2007	Summer	CPT4	1 d,e	Real numbers
2008	Winter	CPT4	1 d, e	Real numbers

Unit sub-topic 3.4

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT2	4 a,b	Operating Systems
2002	Summer	CPT2	3 a,b	Operating systems
2003	Winter	CPT2	5	Operating systems
2003	Winter	CPT4	9	Operating systems
2004	Summer	CPT2	9	Operating systems
2005	Winter	CPT2	6	Operating systems
2005	Winter	CPT4	3 a	Operating systems
2006	Winter	CPT4	3	Operating systems
2006	Summer	CPT2	10	Operating Systems
2006	Summer	CPT4	4	Operating systems
2007	Winter	CPT2	1 a,b,c	Operating systems
2007	Summer	CPT4	2	Operating systems
2008	Winter	CPT2	5	Operating systems
2008	Winter	CPT4	2 c,d	Schedduling

Unit sub-topic 3.5

Year	Session	Paper	Question Part	Topic
2001	Winter	CPT2	9	Databases, primary
2001	Summer	CPT2	9	Databases, primary
2002	Winter	CPT2	9	Databases, QBE
2002	Summer	CPT1	1	Network topologies

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2002	Summer	CPT2	10	Databases, QBE
2002	Summer	CPT5	8	Databases, SQL
2003	Winter	CPT2	7 a,b	Databases
2003	Winter	CPT5	8	Databases
2003	Summer	CPT1	5	Networking
2003	Summer	CPT5	8	Databases, SQL
2004	Winter	CPT2	6	Databases, QBE
2004	Winter	CPT5	7 a,b,c,d	Databases, SQL
2004	Summer	CPT2	4	Databases
2004	Summer	CPT5	4	Databases, DDL
2004	Summer	CPT5	9	Databases, SQL
2005	Winter	CPT5	9	Databases, SQL
2005	Summer	CPT2	7 a,b	Databases
2005	Summer	CPT5	10	Databases, SQL
2005	Summer	CPT5	8	Databases
2006	Winter	CPT2	6	Databases
2006	Winter	CPT5	4	Databases,
2006	Summer	CPT2	11	Databases
2007	Winter	CPT2	4	Databases
2007	Winter	CPT5	3 b,c,d	Databases
2008	Winter	CPT2	9	Database model
2008	Winter	CPT5	1	Relationship

Unit sub-topic 3.6

Year	Session	Paper	Question Part	Topic
2001	Summer	CPT1	2 a,b	Communication
2002	Winter	CPT1	9 b	Network topologies
2002	Winter	CPT1	8	Communication
2002	Winter	CPT4	5	Client-server
2002	Summer	CPT1	10 b	Bit rate and
2002	Summer	CPT1	9	Parallel transmission
2002	Summer	CPT5	4	Baseand and
2003	Winter	CPT1	3	Network topologies

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2003	Winter	CPT5	5 b	Internet security
2003	Winter	CPT5	9	Segmenting
2003	Summer	CPT2	8	Databases, QBE
2003	Summer	CPT5	9 a	Segmenting
2004	Winter	CPT1	5	Network topologies
2004	Winter	CPT5	9 h	Server-based
2004	Summer	CPT1	5	Networking
2005	Winter	CPT1	1	Network topologies
2005	Winter	CPT5	2	Baseband and
2005	Summer	CPT1	5	Bit rate and baud
2005	Summer	CPT5	11 1 a,e,f,g	Networking
2006	Winter	CPT1	9 a	Serial data
2006	Winter	CPT2	8 b	Encryption
2006	Winter	CPT5	6 a,b	Networking
2006	Winter	CPT5	7	Encryption
2007	Winter	CPT5	5	Internet security

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