Full Marks: 70



BRAINWARE UNIVERSITY

Term End Examination 2020 - 21

Programme – Bachelor of Science (Honours) in Biotechnology

Course Name – Computer Application

Course Code - BBT503C1

Time allotted: 85 Minutes

[The figure in the margin indicates full marks. Candidates are required to give their

answers in their own words as far as practicable.]		
Group-	- A	
(Multiple Choice	e Type Question)	1 x 70=70
(Answer any Seventy)		
i) From what location are the 1st computer ins	tructions available on boot	up?
a) ROM BIOS	b) CPU	
c) Boot.ini	d) CONFIG.SYS	
ii) Which one is the fastest one?		
a) Cache	b) HDD	
c) Register	d) Main Memory	
iii) Which one is not present in Von-Neumann	Computer?	
a) Registers	b) Peripheral Devices	
c) Cache	d) None of These	
iv) Von-Neumann Computer is also known as		
a) IAS Computer	b) Batch Computer	
c) Super Computer	d) All of these	
v) Base Register always stores the		
a) Starting Address	b) Size	
c) Ending Address	d) None of These	

(vi) Which one is true for a debugger?	
a) System Software	b) Application Software
c) Utility Software	d) All of this
(vii) Address of the top element of a stack m	emory is stored in
a) Program Counter	b) Base Register
c) Stack Pointer	d) None of these
(viii) Which one is responsible to transfer an language Program?	assembly language into machine
a) Assembler	b) Compiler
c) Interpreter	d) All of this
(ix) IR is responsible for	
a) Storing data	b) Storing address
c) Storing instruction	d) None of these
(x) Any web browser like internet explorer,	Google chrome is an example of
a) System Software	b) Application Software
c) Utility Software	d) All of this
(xi) Which one is machine independent?	
a) Machine Level Language	b) Assembly Language
c) High Level Language	d) All of this
(xii) The purpose of limit register is to store	
a) Starting Address	b) Next Address
c) Current Address	d) Size
(xiii) 1 Kilo Byte= bits	
a) 1024	b) 5536

(xxi) ASCII is how many bit coding scheme?	
a) 5	b) 6
c) 7	d) 8
(xxii) 8245AB6 is in which number system?	
a) Binary	b) Octal
c) Hexadecimal	d) Decimal
(xxiii) What is the base of octal number system	?
a) 2	b) 8
c) 10	d) 16
(xxiv) In which encoding standard, each numbe	r is represented by 4 bits?
a) Binary	b) BCD
c) Decimal	d) Octal
() C1:	
(xxv) Graphics characters are supported by	1) E ACCII
a) ASCII	b) E-ASCII
c) Both	d) None of these
(xxvi) What is the size of datatype char?	
a) 2 bytes	b) 4 bytes
c) 1 byte	d) 8 bytes
(xxvii) What is the size of datatype int (32 bit co	ompiler)?
a) 2 bytes	b) 3 bytes
c) 1 byte	d) 4 bytes
(xxviii) Which one is ternary operator?	
a)>	b) &&
<i>w)</i>	0, 22

c)?:	d) >>
(xxix) What is the size of datatype	float?
a) 2 bytes	b) 4 bytes
c) 1 byte	d) 8 bytes
(xxx) The operator %f is applied t	o
a) integer values	b) Float value
c) double values	d) All of these
(xxxi) Which of the following declar	aration is invalid?
a) int Name;	b) int NAme;
c) int 2name;	d) int name;
(xxxii) Which of the following is a	keyword used for a storage class?
a) printf	b) external
c) auto	d) scanf
(xxxiii) Which operator has the hig	hest priority?
a) -	b) +
c) =	d) *
(xxxiv) Which symbol is used as a	statement terminator in C?
a),	b);
c) /n	d) /t
(xxxv) Which is used for single line	e comment in C?
a) /* */	b) //
c) /	d) %

(xxxvi) A declaration float a,b; occupies total	of memory ?	
a) 2 bytes	b) 4 bytes	
c) 8 bytes	d) 16 bytes	
(xxxvii) Which of the following is not a relat	ional operator?	
a) >>	b) >	
c) >=	d) <	
(xxxviii) Precedence of operators determines	which operator will be	
a) faster	b) evaluated last	
c) evaluated first	d) slower	
(xxxix) Which operator in C is called a condi	tional operator?	
a) ifthen	b) ++	
c)?:	d) ()	
(xl) else block associated with if block	. .	
a) always	b) Not always	
c) Depend on else condition	d) None of these	
(xli) The operator + in a+=4 means		
a) $a = a + 4$	b) $a + 4 = a$	
c) $a = 4$	d) $a = 4 + 4$	
(xlii) The argument that are used inside the ca	alling function are called	
a) Actual argument	b) Formal Arguments	
c) Both Actual argument and Formal Arguments	d) None of these	
(xliii) Executing the same task many times us	sing function, makes the program	
a) compact	b) lengthy	

c) no effect	d) reliable
(xliv) The operator / can be applied to	
a) integer values	b) float values
c) double values	d) all of these
(xlv) Which one is considered as an option	cal media for storage?
a) HDD	b) FDD
c) CD ROM	d) None of these
(xlvi) Which one is not a cache mapping	technique?
a) Direct	b) Associative
c) Instruction	d) Set-Associative
(xlvii) If a word cannot be found in cach	e memory, the incident is called a
a) Cache Miss	b) Cache Hit
c) Cache Coherence	d) Cache Ratio
(xlviii) Which Cache directly interacts w	rith CPU
a) L1	b) L2
c) L3	d) None of these
(xlix) Who stores binary information as a	a charge applied to capacitors?
a) SRAM	b) DRAM
c) DDRRAM	d) RDRAM
(l) Which access mechanism is the slowe	est?
a) Associative	b) Direct
c) Random	d) Sequential

(li) Between two successive memory ope is called	eration, if CPU is busy, then that time
a) Access time	b) Cycle time
c) Recovery time	d) None of these
(lii) If a memory consist of 1024 memory will be	y locations, then width of address bus
a) 5	b) 10
c) 15	d) 20
(liii) Which of the following is not a men	nory management scheme?
a) Paging	b) Segmentation
c) Segmentation with paging	d) None of these
(liv) Which of the following gives lowes:	t page fault rate?
a) FIFO	b) LRU
c) OPR	d) All of these
(lv) An address generated by CPU is call	ed
a) Virtual Address	b) Physical Address
c) Logical Address	d) No name
(lvi) Which of the following is not a type	of cache miss?
a) Compulsory	b) Capacity
c) Conflict	d) None of these
(lvii) In which scheme, memory divided	into frames?
a) Paging	b) Segmentation
c) Segmentation with paging	d) None of these
(lviii) Which access mechanism is also ca	alled semi-random access?

a) Associative	b) Direct	
c) Random	d) Sequential	
(lix) Belady's Anomaly is possible in		
a) FIFO	b) LRU	
c) OPR	d) All of these	
(lx) If the capacity of a memory is 1024*8	3, then it can be considered as	
a) 1KB memory	b) 2KB memory	
c) 3 KB memory	d) 4 KB memory	
(lxi) External fragmentation is possible in		
a) Paging	b) Segmentation	
c) Segmentation with paging	d) Does not exists	
(lxii) Which of the following is/are univer	rsal logic gate/s?	
a) NAND	b) NOR	
c) Both NAND and NOR	d) None of these	
(lxiii) Which of the following expression inputs and O is output?	is true for AND gate, if A and B are	
a) $O = A\%B$	b) $O = A + B$	
c) $O = A*B$	d) O = A.B	
(lxiv) Don't care condition is used to simp	olify Boolean expression in	
a) Registers	b) K-maps	
c) Latches	d) Flip flops	
(lxv) In Boolean expression, bar sign (-) is	s used to represent	
a) NOT gate	b) AND gate	
c) OR gate	d) All of these	

a) 1 c) 3 d) 0 (lxvii) Which of the following term/s is/are used in K-map? a) Min term b) Max term c) Both Min term and Max term d) None of these (lxviii) (1010110) ₂ = (?) ₁₆ a) 55 b) 56 c) 57 d) 58 (lxix) (85) ₁₀ = (?) ₂ a) 1010101 c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i==5); printf("You are right"); else printf("You are wrong"); a) b) You are right You are wrong	(lxvi) Total number of OR required to imp	plement the expression (AB) + (CD)	
(lxvii) Which of the following term/s is/are used in K-map? a) Min term b) Max term c) Both Min term and Max term d) None of these (lxviii) (1010110) ₂ = (?) ₁₆ a) 55 b) 56 c) 57 d) 58 (lxix) (85) ₁₀ = (?) ₂ a) 1010101 b) 1011111 c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i= = 5); printf("You are right"); else printf("You are wrong");	a) 1	b) 2	
a) Min term c) Both Min term and Max term d) None of these (lxviii) (1010110) ₂ = (?) ₁₆ a) 55 b) 56 c) 57 d) 58 (lxix) (85) ₁₀ = (?) ₂ a) 1010101 c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i==5); printf("You are right"); else printf("You are wrong"); a) b)	c) 3	d) 0	
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(lxix) (85) ₁₀ = (?) ₂ a) 1010101 b) 1011111 c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i= = 5); printf("You are right"); else printf("You are wrong"); a) b)	a) 55	b) 56	
(85) ₁₀ = (?) ₂ a) 1010101 b) 1011111 c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i= 5); printf("You are right"); else printf("You are wrong"); a) b)	c) 57	d) 58	
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c) 1010000 d) 1100110 (lxx) What is the output of the following: int i=5; if(i= = 5); printf("You are right"); else printf("You are wrong"); a) b)	$(85)_{10} = (?)_2$		
(lxx) What is the output of the following: int i=5; if(i= = 5); printf("You are right"); else printf("You are wrong"); a) b)	a) 1010101	b) 1011111	
What is the output of the following: int i=5; if(i==5); printf("You are right"); else printf("You are wrong"); a) b)	c) 1010000	d) 1100110	
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printf("You are right"); else printf("You are wrong"); a) b)	int i=5;		
else printf("You are wrong"); a) b)	if(i=5);		
printf("You are wrong"); a) b)			
a) b)			
	primite rou are wrong);		
You are right You are wrong	a)	b)	
	You are right	You are wrong	

c) d)

Compile time error No output