0478 and 0984(9-1) COMPUTER SCIENCE TOPIC MARK SCHEMES SET-1 SMART EXAM RESOURCES

Unit 1.1 Number Systems

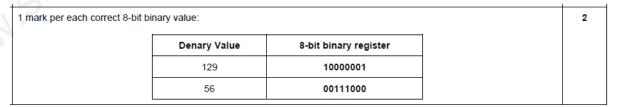
MARKS SCHEME

ANSWER 1 (a)

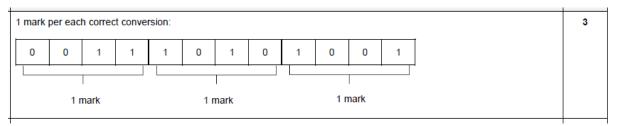
Unit 1.1 Number Systems

- 1		
I	Any two from:	2
	Computer consist of transistors / logic circuits	
	that can only store/process data in two states / as high-low / on-off / 1 and 0	

ANSWER 1 (b)



ANSWER 1 (c)



ANSWER 1 (d)

Any two from:

- Represent colours in HTML // HTML colour codes
- MAC address
- Assembly Language
- Error messages
- IP addressASCII values
- URL
- Memory dumpMemory locations

ANSWER 2 (a)

1 mark	each									-	2
	Denary Value				8-bit	binary	/				
	46	0	0	1	0	1	1	1	0		
	171	1	0	1	0	1	0	1	1		

ANSWER 2(b) 255

1

ANSWER 2(c) 11

1

2

ANSWER 3(a)

	Computer consist of transistors / logic circuits/gates	2	
•	that can only store/process data in two states / high-low / on-off / 1 and 0		

Unit 1.1 Number Systems

ANSWER 3(b)

• 01000000		3
• 01100101		
• 11110010		

ANSWER 3(c)

Τ.	0100 (1 mark) 0010 (1 mark)	4	1
	1100 (1 mark) 1110 (1 mark)	_	l

ANSWER 4 (a) 85

ANSWER 4 (b) **C0**ANSWER 4 (c) **26**1

ANSWER 4 (d) 16

ANSWER 5 (a)

21258169

ANSWER 5 (b)

- 50 - 3D

ANSWER 6

	k per ea	ch cor	rect re	egister		
1 0	1	0	0	1	1	1
1 1	0	1	0	1	1	0

1