ST. BENEDICT COLLEGE
Secondary School, Kirkop

HALF-YEARLY EXAMINATION – 2015/2016

Level 5 - 8

FORM 3	**COMPUTING** **Marking Scheme**	**TIME: 1h 30min**

Question No.	Answer	Marks	Total Mark
1		½ mark each	5
2	a. Byte b. Magnetic tape / reel-to-reel / cassette tape c. RAM d. Battery-backed memory e. ROM f. Printer g. Braille keyboard h. Touchpad / Trackpoint i. Image scanner j. Barcode reader	1 each	10
3	a)	1 each	18

a)

	Device	Type	Typical Capacity
a.	Hard disk	Magnetic	*accept any valid value*
b.	CD	**Optical**	**650 – 700 MB**
c.	**Floppy**	**Magnetic**	1.44 MB

	d.	Pen Drive	**Electronic**	*accept any valid value*	
	e.	DVD	**Optical**	**4.7 GB**	
	f.	**Blu-Ray Disk**	**Optical**	4.7 GB – 54 GB	
	g.	SD Card	**Electronic**	*accept any valid value*	
	h.	Solid State Disk	**Electronic**	*accept any valid value*	

	b) 5 * 1024	1	
	c) 8 sectors	2	

4	a. Magnetic Ink Character Recognition / Reader b. Optical Character Recognition / Reader c. Optical Mark Reader d. Visual Display Unit	1 each	**4**

5	Data refers to characters, letters and numbers which do not make sense on their own, while information is data which has been structured/processed.	1 for each definition	**13**
		1 each	
	i. Student Table – **Student ID** Book Table – **IBAN Number** *or any other relevant answer* ii. Text *or* Number iii. Student table – *any two of the below or any other relevant field* • Name, Surname, Class, …	1 1 1 2	

	Book table – *any two of the below or any other relevant field* • Name, Author, Publisher, … iv. Loans Table v. Date issued, Date returned, Book ID, IBAN Number, Student ID *or any other relevant answer*	2 1 1	

#			Marks	Total
6		Decimal	Binary	Hexadecimal
		83	101 0011	53
		165	10100101	A5
		45	00101101	2D

For question 6: 1 (answer), 1 (working), total **12**

7	a. Analogue Digital b. Modem *or any other relevant answer* c. Devices which can be in one of two states; either on or off d. 4 bits e. 32 values f. *Two of the following:* ASCII, EBCDIC, UNICODE g. Standardization and compatibility h. 71	2 1 1 1 1 2 1 1	**10**

8	various	2 each	**12**

9	c d g a f b i j e h	1 each	**10**

10	a. Impact Non-impact b. Character Line Page c. Projector d. Resolution e. Peripheral Human-readable f. Light pen g. Graphics Tablet h. Digital Camera	½ each	6