

G.C.E Advance Level ICT 2023 (Gr 12) Marking Scheme

Term -3, 2023 Examination

Field Work Center (FWC)

SY

Final marks distribution

Part I 2x40 = 80 marks

Part II A 20x4 = 80 marks

Part II B 20x2 = 40 marks

Total = 200 marks

Final $= 200 \div 2$

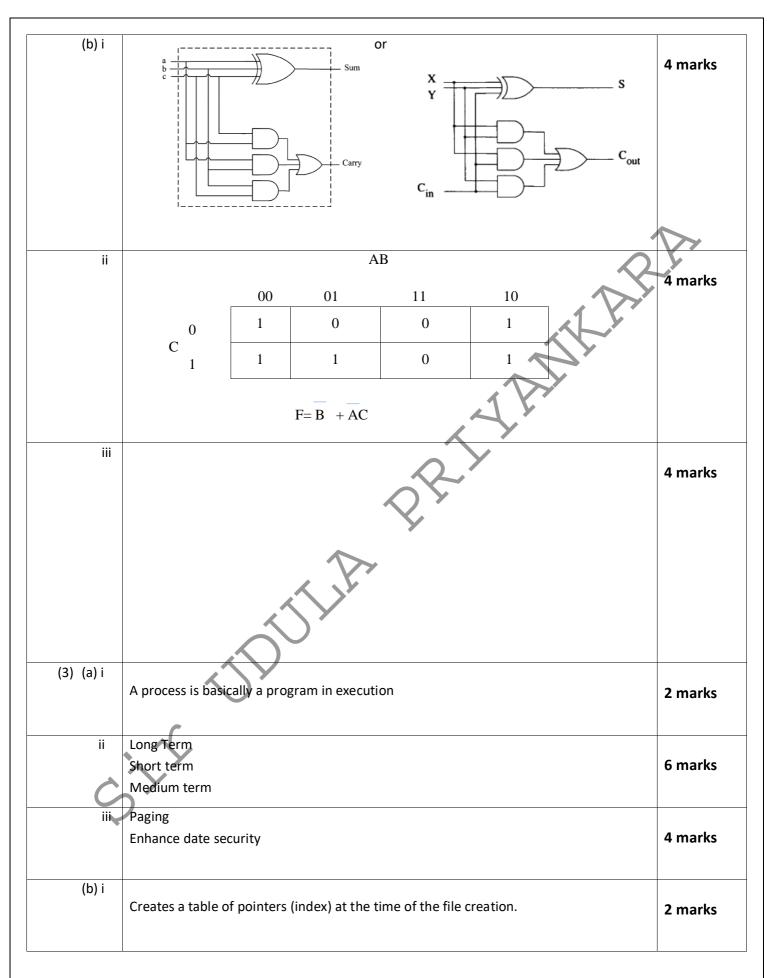
= 100

Part I

1	3	11	3	21	2	31	1
2	3	12	4	22	2	32	5
3	4	13	3	23	X	33	3
4	2	14	2	24	4	34	1
5	2	15	1	25	4	35	2
6	5	16	3>	26	2	36	3
7	4	17) 4	27	4	<i>37</i>	2
8	2	18	5	28	5	38	5
9	5	19	4	29	4	39	2
10		20	3	30	3	40	4

Part II A Answers

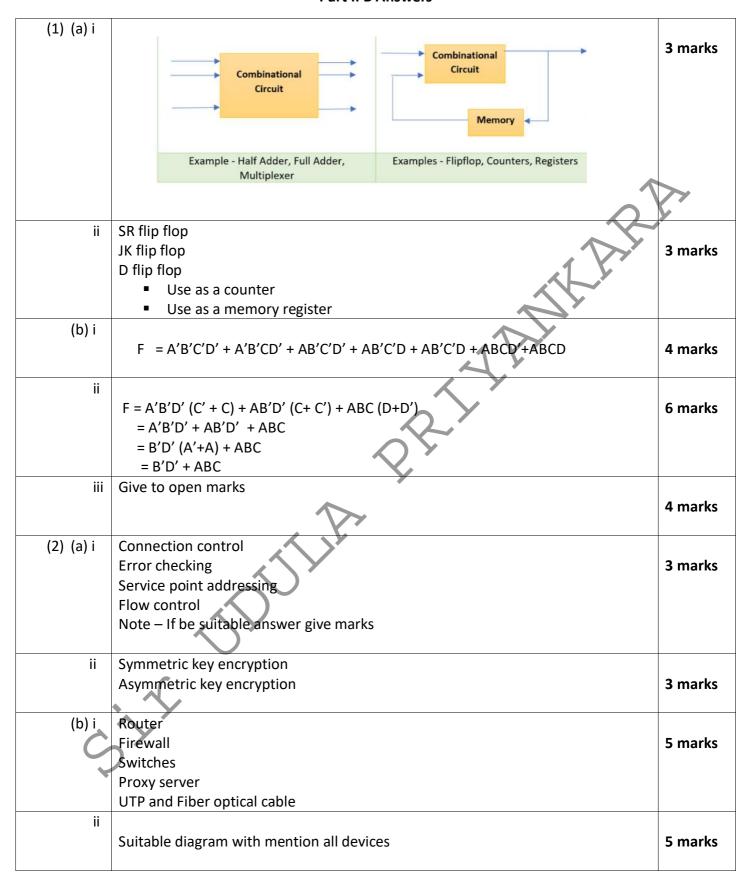
Question No	Answers			
(1) (a) i.	9 bits		2 marks	
ii	Parallel computing is a type of computation done simultaneously	on in which many programs or processes	are 4 marks	
iii	SRAM DRAM			
	Less Storage	Large storage		
	Low density	High density		
	Used in cache memory	Used in main memory		
	Expensive	Cheaper		
(b) i	laaS PaaS SaaS	QP-	2 marks	
ii	B – Decode instruction C – Execute comments D – Store result in memory		4 marks	
iii	PROM EPROM EEPROM		4 marks	
(2) (a) i	55_8 150_8 104_{10}		4 marks	
ii	77 = 01001101 -41 = 11010111		4 marks	



ii	No external fragmentation	2
	Each block contains pointer to next block	2 marks
(c)	2 ²⁰ Frames	4 marks
(4) (a) i	Adding new device don't disturb data communication	
(4) (a) i	Its Provides high security	2 marks
ii	Hub • More data traffic • Layer 1 device	2 marks
	Switch • Less data traffic • Layer 2 device	
(b)	Proxy server DNS server DHCP server FTP server	4 marks
(c) i	More flexibility Less cost Improved call quality	4 marks
ii	Control the remote access	4 marks
(d)	Q – Recruitment Analysis R – Coding and Testing S – Evaluation	4 marks

A/L ICT 2023 Marking Scheme FWC Examination

Part II B Answers



iii					4 mark
	Units	Subnet mask	Network ID	Usable Range	
	Admin	255.255.255.240	192.168.100.0	192.168.100.1 to	
		200.200.200.2	1,2,100,100,0	192.168.100.14	
	Accounting	255.255.255.192	192.168.100.0	192.168.100.1 to	
	G .			192.168.100.62	
	Sports	255.255.255.248	192.168.100.0	192.168.100.1 to 192.168.100.6	
	ICT			192.168.100.0 1 92.168.100.1 to	
	IC I	255.255.254	192.168.100.0	192.168.100.30	
(3) (a) i	Waterfall model — image Advantages Simple method and easy to use Suitable for similar products Phases are clear Disadvantages Risk is high Not suitable for complex projects				
ii	Heina	Black box Testing		White box Testing	4 mark
	Using a	Using acceptance testing		Using other testing	
	Implementation knowledge is not Implementation knowledge is				
	required required				
	Note – If be	suitable answer giv	ve marks		
(b) i	Observation	<u> </u>			
(5) 1	Interview	•			4 mark
	Questionna	ire			
	Search all R				
) '				
ii̇̀					
	Search the book detail Charlette and a search an				4 mark
	Check the user name password				
	■ Iden	itify the ISBN number	er		
	■ Iden Non - Funct	ional Requirement	er		
	■ Iden Non - Funct		er		

	 Frequently received book information Note – If be suitable answer give marks 	
iii	A - Display the facility to search the books. B- Provide the name or author details of the required books C - Display the location of the books D - Present the books and book cover to the user	4 marks