

Department of Examinations - Sri Lanka

G.C.E. (A/L) Examination - 2017

20 - Information and Communication Technology

Marking Scheme



This has been prepared for the use of marking examiners. Changes would be made according to the views presented at the Chief/Assistant Examiners' meeting.

Amendments to be included.

20 - Information and Communication Technology

Distribution of marks

Paper I

Time Duration 02 hours

Number of Questions 50

Total Marks $50 \times 2 = 100$

Paper II

Time Duration 03 hours

Paper A - Structured Questions

Number of Questions 04

 $04 \times 10 = 40$

Paper B - Essay Questions

Number of Questions 04

 $04 \times 15 = 60$

Paper II Total marks = 40 + 60 = 100

Final marks = $\frac{pape I + Paper II}{2}$ $= \frac{100 + 100}{2} = 100$

Department of Examinations - Sri lanka

ශී ලංකා විභාග දෙපාර්තමේන්තුව இலங்கைப் பரீட்சைத் திணைக்களம் අ.පො.ස. (උ.පෙළ) විභාගය/ க.பொ.த. (உயர் தர)ப் பரீட்சை - 2017 විෂයය අංකය විෂයය 20 තොරතුරු හා සන්නිවේදන තාසෂණය பாட இலக்கம் பாடம் രකුණු දීමේ පට්පාටිය/புள்ளி வழங்கும் திட்டம் Г පතුය/பத்திரம் I සුශ්න පිළිතුරු පුශ්න පිළිතුරු පිළිතුරු පුශ්න පුශ්න පිළිතුරු පුශ්න පිළිතුරු අංකය අංකය අංකය අංකය අංකය අංකය අංකය අංකය අංකය ජිංකය வினா ഖിത്ഥ வினா ഖിത്ഥ வினா விடை வினா விடை வினா ഖിഞ്ച இல. 01. 05 11. 02 21. 03 31. 04 41. 05 02. 01 12. 04 22. 04 32. 01 42. 02 03. 05 13. All 23. 01 33. 05 43. 04 04. 04 14. 01 24. 03 34. 04 44. 05 05. 03 15. 05 25. 05 35. 05 45. 02 06. 01 16. 04 26. 2 or 4 36. 05 46. 03 07. 05 17. 05 27. 01 37. 03 47. 05 08. All 18. 03 28. 05 38. 03 48. 03 09. 01 19. 04 29. 02 39. 05 49. 05 10. 05 20. 03 30. 02 40. 02 50. 03

🗘 විශේෂ උපදෙස්/ விசேட அறிவுறுத்தல் :

චක් පිළිතුරකට / ஒரு சரியான விடைக்கு 02 ලකුණු லැගින් / புள்ளி வீதம்

இல் குழை/மொத்தப் புள்ளிகள் 2 × 50 = 100

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Information and Communication Technology (20) Paper II Part A 2017



2.(a)	 Termination (end) of the process 	1 x 3
	 Time out (end of the time sice) 	
	Blocked for input/output operation	3
2.(b)	Store the current state of the running process in the PCB.	1
	 Load the state of the process to be continued to the CPU from the PCB. 	2 or 0
	 Transfer the control to the process to be continued. 	1
	Note: Deduct 1 mark from the total if any one or both of <u>PCB</u> is missing)	
2.(c)	 Power on self test (POST)/Executing or running BIOS 	1 x 3
	 Run the bootstrap program to load the O/S to the main memory. 	
	• Transfer the control to the O/S.	$\left(\right)$
3.(a).(i)	A transaction between two persons can be classified as B2B if following conditions are	1 x 3
н	satisfied internet v	
а.	1. It should be an online service/transaction.	
	2. The buyer should be a business user	
v	3. The seller should be a business user	$\left(2\right)$
3.(a).(ii)	If the seller is replaced by a software agent, then agent represents a business user.	
	Therefore, main proactive behavior is to take actions that makes high (increase)	(1)
	business profit.	
2 (b) (i)	incort into student] A	1
5.(0).(1)	values/'10001' 'Saman Kumara' '78 Mahara road Maharagama') [A and B only]	2
	(A B and C)	2
	B C	
	Or	1.10
	- insert si	et X
	insert into student (student no, name, address) - IF A INCOV	rept
	values('10001', 'Saman Kumara', '78, Mahara road, Maharagama')	arks
	The order of the values in the values statement should be same as the order of	
	attributes in insert statement.	
		-
	Note: All names should be as in the table definition.	$\left \right\rangle$

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Information and Communication Technology (20) Paper II Part B 2017





	· · · · · · · · · · · · · · · · · · ·	
3.(a)	G2C or Government to Consumer	3
	Note: Government to Citizen only 2 marks	3
3.(b)	G2B or G2E,	1
	It is a service provided in online by the Government to Business or Employees.	1 (2)
3.(c)	Because it is a service provided by business to government.	4
	Therefore it is B2G.	1 (5)
3.(d)	Law: To prepare fine calculations mechanism according to the (criticality of the identified place).	3
2.	Epidemic Control Division: (To develop formula to measure the <i>criticality of the identified place related to dengue breeding</i>).	

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20 - Information and Communication Technology (Marking Scheme) | G.C.E. (A/L) Examination - 2017 | Amendments to be included.

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	<n>Gender:</n>	
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	<pre><input name="sex" type="radio" value="famale"/> Female</pre>	-
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	<input name="media3" type="checkbox" value="Crayon"/> Crayon	
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	<input name="media4" type="checkbox" value="Chalk"/> Chalk	
	<input type="reset" value="Clear your Entries"/>	1
	<input type="submit" value="Submit"/>	1
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