Advanced Level - GIT

Special Seminar for GIT Examination 2014

General Information Technology

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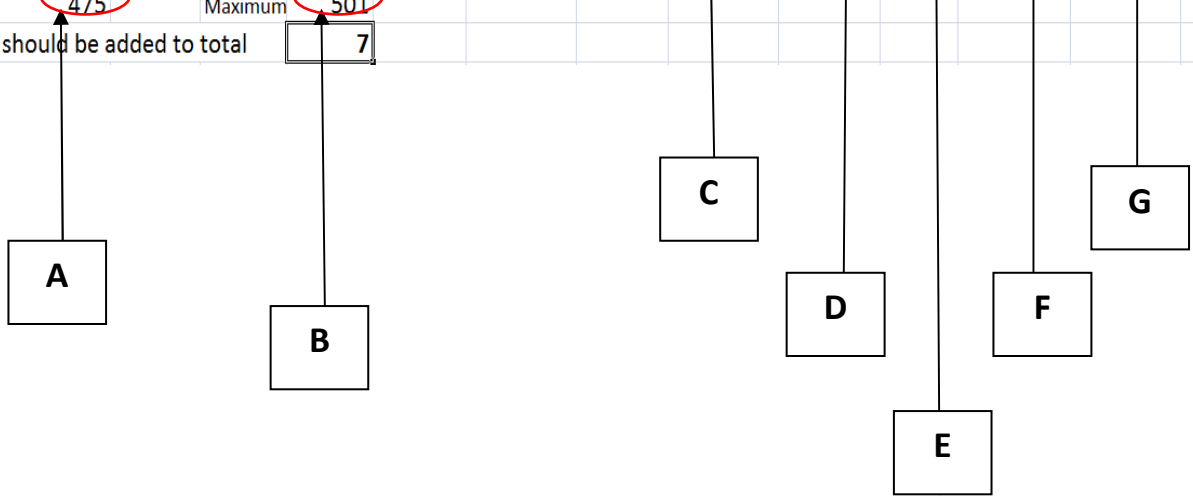
Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M
1			Thurstan College - Colombo										
2	Grade	10 B											
3			Marks										New
4	Index No	Name	Science	Maths	English	Sinhala	Buddhism	ICT	Total	Average	Rank	Pass / Fail	Total
5	8547	Lakshan	89	82	92	65	88	85	501	83.5	1	Pass	508
6	8569	Sampath	80	76	98	68	80	88	490	81.67	4	Pass	497
7	8638	Pradeep	67	79	97	70	79	87	479	79.83	7	Fail	486
8	8296	Manujaya	83	73	90	72	81	85	484	80.67	6	Pass	491
9	8469	Lakshitha	82	71	91	69	82	81	476	79.33	8	Fail	483
10	8540	Zoysa	86	70	88	63	86	82	475	79.17	9	Fail	482
11	8520	Anju	84	75	92	64	85	91	491	81.83	3	Pass	498
12	8730	Srimal	81	75	93	60	89	90	488	81.33	5	Pass	495
13	8680	Sameera	87	72	90	72	80	93	494	82.33	2	Pass	501
14	Minimum		475	Maximum	501								
15	Common marks should be added to total				7								



A - _____

B - _____

C - _____

D - _____

E - _____

F - _____

G - _____

1. Following is an electronic spreadsheet to analyse employee salary and deductions of an international company and it shows a part of Mr.Susitha Kariyawasam's salary scale. The company paid to Mr.Susitha by US$ of currency and he is given his salary from SL Rupees.

	A	B	C	D	E	F	G	H
1	**Skyline International Ltd.** Monthly Salary Payment of Employee							
2	Month	**November**				*SLR.*		
3	Emp No	**3407**	*Currency Convertion of US $*			**137.5**		
4	Name of Employee	**Susitha Kariyawasam**						
5								
6	**Earnings (US $)**	**US $**	**LK. Rs.**					
7	Basic Salary	750.00	103,125.00					
8	Overtime	102.00	14,025.00					
9	Other Allowances	6.00	825.00					
10	Attendance Incentive	12.00	1,650.00					
11	**Total Earnings**	870.00	119,625.00					
12	**Deductions**							
13	Tele Phone Bills	22.00	3,025.00					
14	Loan Recoveries	120.00	16,500.00					
15	festival Advance Rec.	2.70	371.25					
16	Vehicle Loan	0.00	0.00					
17	No Pay	0.00	0.00					
18	**Total Deductions**	144.70	19,896.25					
19	**Gross Salary**	725.30	99,728.75					
20	**E.P.F. 8%**	60.00	8,250.00					
21	**E.T.F. 3%**	22.50	3,093.75					
22								
23	**NETT SALARY**	642.80	88,385.00					

i. Write the formula to calculate Total Earning on cell B11.

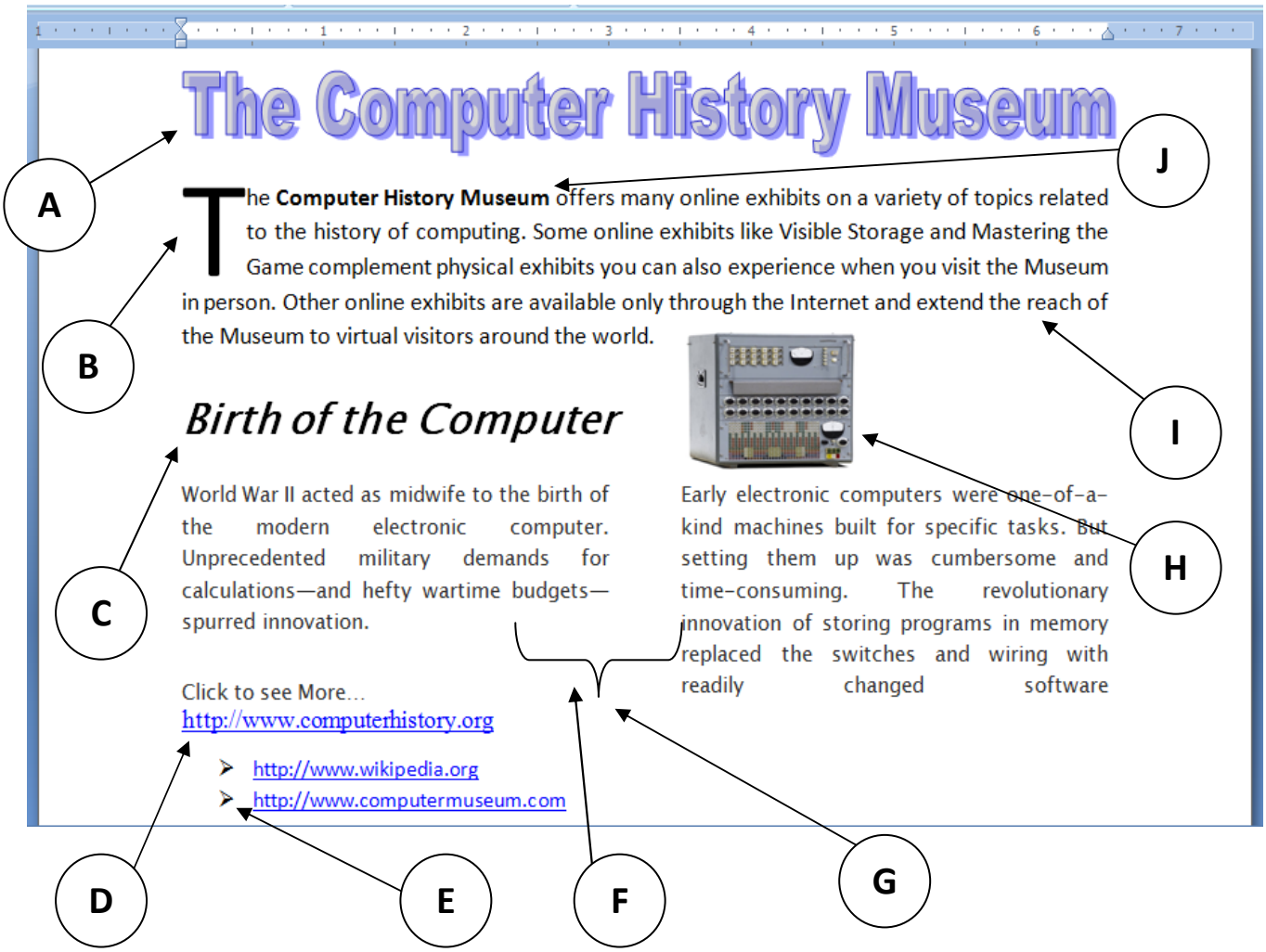
ii. Write the formula to calculate Gross salary on cell B19.

iii. Write the formula to calculate E.P.F on cell B20. (E.P.F is calculated using the basic salary)

iv. Find the formula for cell B23 to calculate Mr.Susitha's Net Salary for 2 decimal places by using functions.

v. Column C indicates all the amounts represented in SL rupees and F3 contains the currency rate. Find the formula for C7 in order to absolute cell reference.

Microsoft Word



A - _____

B - _____

C - _____

D - _____

E - _____

F - _____

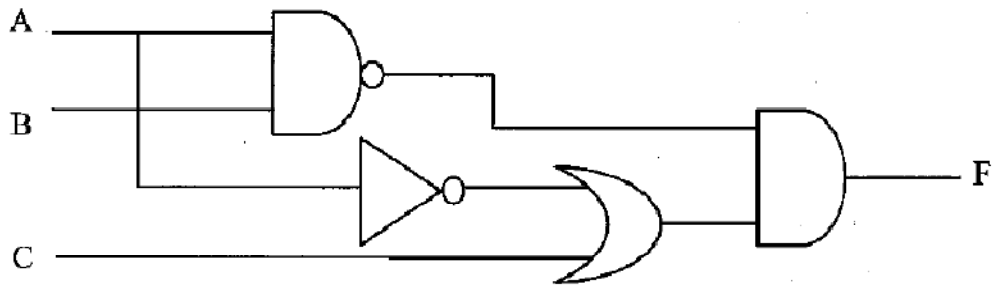
G - _____

H - _____

I - _____

J - _____

2. Following questions based on the Logic circuit given below.



i. Write the Boolean equation. (ඉහත පරිපථය සඳහා බූලීය සමීකරණය ලියන්න.)

ii. Construct the truth table. (ඉහත පරිපථයට අදාල පහත දැක්වෙන සත්‍යතා වගුව සම්පූර්ණ කරන්න.)

A	B	C							

3.

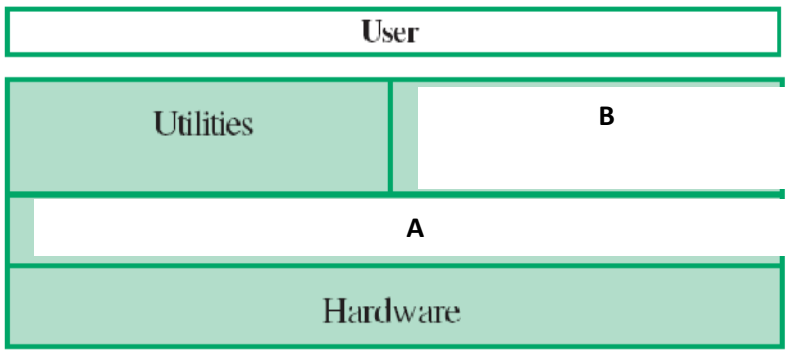
i. Briefly explain the Operating System.

මෙහෙයුම් පද්ධතියක් යනු කුමක්දැ යි කෙටියෙන් විස්තර කරන්න.

ii. Give 5 examples of modern operating systems.

නූතන මෙහෙයුම් පද්ධති 5 ක් සඳහා උදාහරණ දක්වන්න.

iii.



Identify 'A' and 'B' of above the above figure.

ඉහත රූපයේ A සහ B නම් කරන්න.

iv. What do you understand by Utility software?

උපයෝගී මෘදුකාංග (Utility software) යනු මොනවාද?

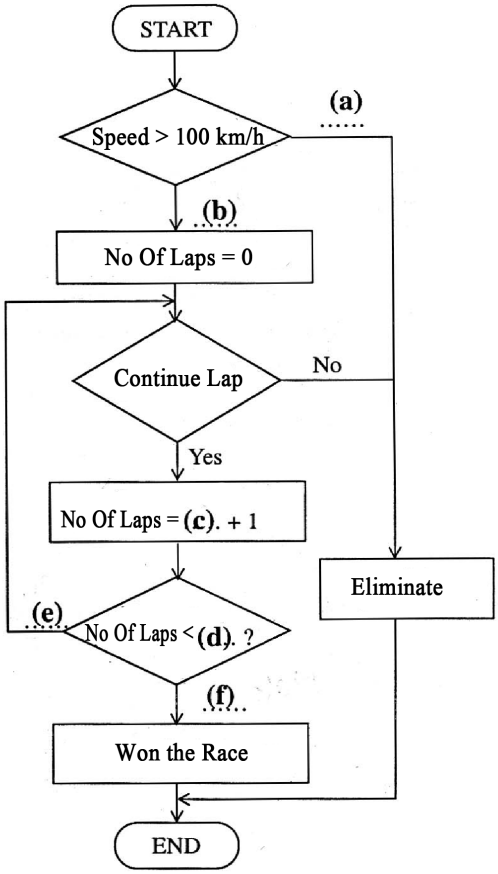
v. What are the main functions of an O/S?

මෙහෙයුම් පද්ධතියක මූලික කාර්ය මොනවාදැයි නම් කරන්න.

vi. Give 5 examples for utility software.

උපයෝගී මෘදුකාංග සඳහා උදාහරණ 5 ක් දක්වන්න.

4. Car racers who are going to participate to a car race competition. Racers always need to keep their speed greater than 100 km/h, and also have to complete 50 laps in to win the race. Participants who complete the 50 laps will be won the race. Others who couldn't complete the laps will be eliminated from the Race.



i. Fill the following flow chart according to the above scenario.

ii. Write a pseudo code for the logic indicated by flow chart.

iii. What are the control structures can be identified in the flow chart?