

**GUIDELINES ON THE USE OF ELECTRONIC CALCULATORS IN
NTU ENTRANCE EXAMINATIONS**

1. The calculator must be silent, with a visual display only.
2. The working condition of the calculator (including the power supply) is the responsibility of the candidates and any fault in the calculator will not be considered as justification for special consideration.
3. Candidates are not allowed to share calculators during the examinations.
4. No calculator with an external storage function which can allow users to input and store data via external storage e.g. cards, tapes, plug-in modules are allowed.
5. No calculators with wireless communication capability with other machines e.g. infra-red communication capability are allowed.
6. Any enclosed instruction leaflets containing mathematical formula, conversion table or instructions are strictly prohibited and must not be taken into the examination venue.
7. No calculators with capabilities for storing and displaying verbal information are allowed.
8. For Scientific Calculators, take note of the following guidelines :
 - a) No programmable calculators are allowed.
 - b) No calculators with permanent features of a programmed kind are allowed e.g. calculators capable of numerical integration and/or numerical differentiation.
9. Candidates using Graphic calculators are to note :
 - a) It is the candidates' responsibilities to clear any information and /or programmes stored in the graphing calculators before the examination.
 - b) No prepared programs may be taken into the examination venue. Information (including text or formulae) and /or programs stored in the calculator's memory must be cleared before the examinations.
 - c) No calculators with built-in symbolic algebra manipulations, symbolic differentiation or integration are allowed.
10. Candidates are recommended to use the list of approved models in **Annex A**.

ANNEX A

LIST OF APPROVED SCIENTIFIC CALCULATORS

S/N	Calculator brand	Calculator Model
1	CASIO	FX 82MS
2		FX 85MS
3		FX 95MS
5		FX 96SG Plus
		FX 97SG X
6		FX 350MS
7	CANON	F-960SG
8	SHARP	EL W531S
9		EL W531S II
10		EL W531S II Silver Edition
11		EL W531XM
12		EL 533X

LIST OF APPROVED GRAPHING CALCULATORS

Note : All graphing calculators must be reset prior to any examinations

S/N	Calculator Brand	Calculator Model	Operating system
1	CASIO	FX-9860GIIIs	OS 2.04 OS 2.09

S/N	Calculator Brand	Calculator Model	Operating system
2	TEXAS INSTRUMENTS	TI-84 PLUS	OS 2.43
3		TI-84 PLUS Silver Edition	OS 2.53MP OS 2.55MP
4		TI-84 PLUS C Silver Edition	OS 4.0 OS 4.2
5		TI-84 PLUS CE	OS 5.0.1
			OS 5.1.5
			OS 5.2.0
	OS 5.2.2		
	OS 5.3.0		
	OS 5.3.1		
	OS 5.4.0		
	OS 5.6.0		
	OS 5.6.1		
6		TI-84 Plus CE Python	OS 5.6.1

APPROVED CALCULATORS THAT STILL CAN BE USED:

AURORA	SC 110	SC 120	SC 150	SC 170	SC 200	SC 210
	SC 260	SC 500	SC 550			

CANON	F 200	F 401	F 402	F 500	F 501	F 502
	F 601	F 602	F 604	F 612	F 715S	F 720

CASIO	FX 82AU	FX 82C	FX 82D	FX 82L	FX 82LB	FX 82SUPER
	FX 82SX	FX 82TL	FX 82W	FX 85N	FX 85S	FX 85V
	FX 85VH	FX 95 SG Plus	FX 100C	FX 100D	FX 100S	FX 100V
	FX 100Z	FX 115D	FX 115N	FX 115S	FX 115V	FX 135
	FX 350C	FX 350D	FX 350HA	FX 350HB	FX 350TL	FX 350TLG
	FX 350W	FX D400	FX 451M	FX 500MS	FX 570AD	FX 570AV
	FX 570CD	FX 570CV	FX 570S	FX 570Z	FX 820MS	FX 901
	FX 911S	FX 911SA	FX 911W	FX 911Z	FX 911D	FX 991N
	FX 991S	FX 991V	FX 992S	FX 992V	FX 992VB	

FIAMO	SC 6	SC 20			
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HEWLETT PACKARD	HP 6S	HP 6S SOLAR	HP 8S	HP 9S	HP 10B
	HP 10S	HP 10S+	HP 14B		

HOSEKI	H 1030	H 1031			
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HUBBLE COMPUTING	SC 10B	SC 10C			
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KARCE	KC 107	KC 108	KC 109	KC S187	KC S3500
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SHARP	EL 506L	EL 509G	EL 509L	EL 509MS	EL 509R	EL 509V
	EL 509VM	EL 509W	EL 509WM	EL 509WS	EL 509X	EL 510R
	EL 520G	EL 520L	EL 531GH	EL 531LH	EL 531P	EL 531RH
	EL 531V	EL 531VB	EL 531VH	EL W531M	EL W46G	EL 546L
	EL 546LV	EL 546VA	EL 553	EL 556G	EL 556L	

TEXAS INSTRUMENTS	BA II PLUS	BA REAL ESTATE	BA 35 SOLAR	TI 25 STAT	TI 30X	TI 30XA
	TI 30XIIB	TI 30XIIS	TI 30 CHALLENGER	TI 30XSOLAR	TI 32 EXPLORER PLUS	
	TI 34	TI 34II	TI 35X	TI 36XSOLAR		