

CALCULATOR POLICY

- 1. Examination Candidates may take a non-programmable calculator into any component of the examination for their personal use.
- 2. Instruction booklets or cards (eg reference cards) on the operation of calculators are **NOT** permitted in the examination room. Candidates are expected to familiarise themselves with the calculator's operation beforehand.
- 3. Calculators must have been switched off for entry into the examination room.
- 4. Calculators will be checked for compliance with this policy by the examination invigilator or observer.
- 5. Features of approved calculators:
 - 5.1. In addition to the features of a basic (four operation) calculator, a scientific calculator typically includes the following:
 - 5.1.1. fraction keys (for fraction arithmetic)
 - 5.1.2. a percentage key
 - 5.1.3. $a \pi \text{ key}$
 - 5.1.4. memory access keys
 - 5.1.5. an EXP key and a sign change (+/-) key
 - 5.1.6. square (x^2) and square root ($\sqrt{}$) keys
 - 5.1.7. logarithm and exponential keys (base 10 and base e)
 - 5.1.8. a power key (ax, xy or similar)
 - 5.1.9. trigonometrical function keys with an INVERSE key for the inverse functions
 - 5.1.10. a capacity to work in both degree and radian mode
 - 5.1.11. a reciprocal key (1/x)
 - 5.1.12. permutation and/or combination keys (nPr, nCr)
 - 5.1.13. cube and/or cube root keys
 - 5.1.14. parentheses keys
 - 5.1.15. statistical operations such as mean and standard deviation
 - 5.1.16. metric or currency conversion
- 6. Features of calculators that are **NOT** permitted include:
 - 6.1. programmable (any calculator that can have a sequence of operations stored and then executed automatically is considered programmable and hence not allowed)
 - 6.2. capable of storing text or alphanumeric data input by a user (this does not exclude calculators with memories that are used to store intermediate numerical results obtained during calculations and required later)
 - 6.3. capable of storing, manipulating or graphing functions entered in symbolic form (this includes calculators with a graphic display capacity)

- 6.4. capable of performing 'hard-wired' numerical routines for operations such as differentiation and definite integration, and the solution of equations
- 6.5. capable of performing 'hard-wired' symbolic manipulations such as addition of algebraic expressions, binomial expansion and symbolic differentiation
- 6.6. capable of performing 'hard-wired' numerical routines for operations such as differentiation and definite integration, and the solution of equations
- 6.7. capable of external communication or web connectivity.
- 7. Examples of approved calculators:

CASI		SHARP	OTHER BRANDS	
fx-82 AU	fx-100 AU	EL-506H	ABACUS	SX-II MATRIX
fx-82 AU PLUS	fx-100 AU PLUS	EL-509L	CANON	F717SGA
fx-82 AU PLUS II	fx-100 D	EL-509R		F720
fx-82 D	fx-100 S	EL-509VM		F720i
fx-82 ES	fx-115 S	EL-509W	CITIZEN	SR-135
fx-82 ES PLUS	fx-115 WA	EL-509WS		SR-260
fx-82 ES PLUS A	fx-122 S	EL-509X		SR-270
fx-82 L	fx-220	EL-510R	HEWLETT PACKARD	HP 8S
fx-82 LB	fx-220 PLUS	EL-520VA		HP 9S
fx-82 MS	fx-270 MS	EL-520WG		HP 10S
fx-82 NASER	fx-270 W PLUS	EL-531GH		HP 10S+
fx-82 PLUS	fx-300 ES	EL-531LH		HP 300S
fx-82 SX	fx-300 MS	EL-531RH	INSYSTEM	IN-82SC
fx-82 SUPER	fx-300 W	EL-531V	JASTEK	JasCS1
fx-83 ES	fx-350 ES	EL-531VH	KENKO	KK 82-TL
fx-83 ES PLUS	fx-350 ES PLUS	EL-531W		KK 87-MS
fx-83 GT PLUS	fx-350 HB	EL-531WH		KK 350-TL
fx-83 MS	fx-350 MS	EL-531XH	RADIOSHACK	EC-4032
fx-83 WA	fx-350 TL	EL-533X	RSB	FB 82 ES PLUS
fx-85 ES	fx-550	EL-546VA		FB-350MS
fx-85 ES PLUS	fx-550 S	EL-W531	SCHOLAR	KD-350MS
fx-85 GT PLUS	fx-570 AD	EL-W531G	TANDY	EC-4032
fx-85 MS	fx-570 S	EL-W531H	TEXAS INSTRUMENTS	TI 30ECO RS
fx-85 SA	fx-580	EL-W531HAB		TI 30SLR
fx-85 WA	fx-820 MS	EL-W531XH		TI 30XA
fx-95 ES PLUS	fx-901	EL-W532XH		TI 30X IIB
fx-95 MS	fx-911 W			TI 30X IIS
fx-96 SG PLUS	fx-911 WA			TI-34 MultiView
	fx-911 Z			TI 36X Solar
	fx-992 S			TI 40 College II
	HL4			Albert2 (TX-842)
	_		TEXET	Albert3 (TX-890)
				Albert5 (TX-895)
			XINNUO	FN 350TL