

000000EXCELL FILE TEMPLATE
for
2019/1 TMA UPLOAD

SN	CRSCODE	QUESTION	OPTION A	OPTION B	OPTION C
1	MTH423	Find the eigenvalues and eigenfun	$\phi(x) = f(x)$	$\phi(x) = R(x)$	$\phi(x) = \phi(x)$
2	MTH423	Let $k(x,y)$ be symmetric and $k(x,$	Eigenvector	Eigenfunction	Eigen value
3	MTH423	One of the following is not correc	The number o	the eigenfunc	The eigenvale
4	MTH423	Let $\{\phi_n\}$ be an orthogona	$\int_0^1 f(x)^2 dx$	$\int_0^1 f(x) dx$	$\int_0^1 f^2 dx$
5	MTH423	If $f(t)$ is throughout piecewise c	Laplace Trans	Fourier Trans	Integral Tran
6	MTH423	Consider the kernel T in the squa	$T(x,y) = 2x$	$T(x,y) = 2y$	$T(x,y) = 2$
7	MTH423	Suppose $k(x,y) = \sum_{n=1}^{\infty} \lambda_n \phi_n(x) \phi_n(y)$	positive indefi	positive defin	indefinitely po
8	MTH423	A kernel is said to be positive if	$\int_0^1 \phi(x)^2 dx$	$\int_0^1 \phi^2(x) dx$	$\int_0^1 \phi^2 dx$
9	MTH423	The set of orthogonal system $\{\phi_n\}$	$P = \sum a_n \phi_n$	$P = \sum a_n \phi_n$	$P = \sum a_n \phi_n$
10	MTH423	The solution to $\phi(x) = \lambda \phi(x)$	$\lambda = 4 + \sqrt{13}$	$\lambda = 4\sqrt{13}$	$\lambda = -4\sqrt{13}$

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OPTION D	ANS	TMANO
$R(x) = \phi(x)$	A	TMA3
Eigen number	C	TMA3
The eigenvalu	D	TMA3
$\int_I f(x)$	C	TMA3
Integral doma	A	TMA3
$T(x,y) = 2\sqrt{s}$	C	TMA3
negative defin	B	TMA3
$\int \phi^2(x)$	B	TMA3
$P = \sum a$	B	TMA3
$4 - \sqrt{13}$	A	TMA3

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