



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Thiruvananthapuram, Kerala, INDIA

ERANAD KNOWLEDGECITY TECHNICAL CAMPUS

B.Tech S4 Examination 2016-17 (S4 Result)

***TBP -To Be Published Soon**

MECHANICAL ENGINEERING

Course Code	Course
MA202	PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS
ME202	ADVANCED MECHANICS OF SOLIDS
ME204	THERMAL ENGINEERING
ME206	FLUID MACHINERY
ME220	MANUFACTURING TECHNOLOGY
HS210	LIFE SKILLS
ME232	THERMAL ENGINEERING LAB
ME230	FLUID MECHANICS & MACHINES LAB

Register No	Course Code (Grade)
EKC15ME003	HS210(B), ME230(B), MA202(F), ME220(F), ME232(B+), ME202(F), ME204(P), ME206(F)
EKC15ME004	HS210(B), ME230(C), MA202(F), ME220(C), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME005	HS210(B), ME230(C), MA202(F), ME220(F), ME232(B+), ME202(F), ME204(P), ME206(F)
EKC15ME006	HS210(B+), ME230(B), MA202(C), ME220(F), ME232(B+), ME202(Absent), ME204(C), ME206(F)
EKC15ME008	HS210(A+), ME230(B+), MA202(C), ME220(F), ME232(B+), ME202(B), ME204(B), ME206(B)
EKC15ME009	HS210(B+), ME230(B), MA202(F), ME220(C), ME232(B+), ME202(B), ME204(B), ME206(C)
EKC15ME010	HS210(B+), ME230(B), MA202(C), ME220(C), ME232(B+), ME202(C), ME204(B), ME206(F)
EKC15ME011	HS210(Withheld), ME230(Withheld), MA202(Withheld), ME220(Withheld), ME232(Withheld), ME202(Withheld), ME204(Withheld), ME206(Withheld)

EKC15ME012	HS210(Withheld), ME230(Withheld), MA202(Withheld), ME220(Withheld), ME232(Withheld), ME202(Withheld), ME204(Withheld), ME206(Withheld)
EKC15ME013	HS210(A), ME230(B), MA202(F), ME220(C), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME014	HS210(B), ME230(B+), MA202(B), ME220(B), ME232(B+), ME202(B), ME204(B), ME206(F)
EKC15ME017	HS210(A), ME230(B), MA202(F), ME220(C), ME232(B+), ME202(C), ME204(C), ME206(F)
EKC15ME018	HS210(B+), ME230(C), MA202(F), ME220(F), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME020	HS210(B+), ME230(B+), MA202(B+), ME220(F), ME232(B+), ME202(C), ME204(C), ME206(B+)
EKC15ME024	HS210(A+), ME230(B+), MA202(B+), ME220(B), ME232(B+), ME202(C), ME204(B+), ME206(B+)
EKC15ME025	HS210(B+), ME230(B), MA202(C), ME220(C), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME026	HS210(Withheld), ME230(Withheld), MA202(Withheld), ME220(Withheld), ME232(Withheld), ME202(Withheld), ME204(Withheld), ME206(Absent)
EKC15ME027	HS210(B+), ME230(B+), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(Absent), ME206(F)
EKC15ME028	HS210(B+), ME230(O), MA202(A+), ME220(B), ME232(B+), ME202(B+), ME204(O), ME206(A)
EKC15ME029	HS210(B+), ME230(B+), MA202(F), ME220(B), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME030	HS210(B), ME230(B+), MA202(B+), ME220(F), ME232(B+), ME202(F), ME204(B), ME206(F)
EKC15ME031	HS210(B), ME230(B+), MA202(B), ME220(F), ME232(B+), ME202(F), ME204(P), ME206(F)
EKC15ME032	HS210(O), ME230(A), MA202(B+), ME220(C), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME034	HS210(B+), ME230(O), MA202(C), ME220(C), ME232(A), ME202(F), ME204(B+), ME206(F)
EKC15ME035	HS210(B+), ME230(B), MA202(B), ME220(C), ME232(B+), ME202(F), ME204(F), ME206(C)
EKC15ME036	HS210(B+), ME230(B+), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(F), ME206(F)
EKC15ME037	HS210(B+), ME230(B+), MA202(C), ME220(C), ME232(B+), ME202(F), ME204(B), ME206(F)
EKC15ME041	HS210(B), ME230(B+), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(C), ME206(F)
EKC15ME042	HS210(B), ME230(B+), MA202(F), ME220(F), ME232(B+), ME202(F), ME204(P), ME206(F)
EKC15ME043	HS210(A), ME230(A+), MA202(B), ME220(C), ME232(B+), ME202(C), ME204(B+), ME206(B)
EKC15ME044	HS210(B+), ME230(B), MA202(B), ME220(F), ME232(B), ME202(F), ME204(C), ME206(F)
EKC15ME045	HS210(B), ME230(B+), MA202(B+), ME220(F), ME232(B), ME202(C), ME204(B), ME206(C)
EKC15ME046	HS210(A+), ME230(O), MA202(B+), ME220(B), ME232(A+), ME202(F), ME204(B), ME206(C)
EKC15ME047	HS210(A), ME230(B), MA202(B), ME220(F), ME232(B+), ME202(F), ME204(B), ME206(F)
EKC15ME049	HS210(B+), ME230(B), MA202(F), ME220(F), ME232(B+), ME202(F), ME204(P), ME206(F)
EKC15ME050	HS210(A), ME230(B), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(B), ME206(F)
EKC15ME052	HS210(B+), ME230(B), MA202(F), ME220(F), ME232(B), ME202(F), ME204(F), ME206(F)
EKC15ME054	HS210(B+), ME230(B+), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(C), ME206(F)

EKC15ME055	HS210(B+), ME230(A), MA202(A), ME220(C), ME232(B+), ME202(B), ME204(B+), ME206(B+)
EKC15ME056	HS210(B+), ME230(B), MA202(C), ME220(C), ME232(B+), ME202(F), ME204(C), ME206(C)
EKC15ME059	HS210(B+), ME230(B), MA202(B+), ME220(F), ME232(B+), ME202(B), ME204(B+), ME206(B)
LEKC15ME060	HS210(B+), ME230(A), MA202(F), ME220(C), ME232(A), ME202(F), ME204(B), ME206(C)
LEKC15ME061	HS210(B), ME230(O), MA202(C), ME220(B), ME232(A), ME202(C), ME204(B), ME206(F)
LEKC15ME062	HS210(B), ME230(O), MA202(C), ME220(F), ME232(B+), ME202(F), ME204(C), ME206(C)
LEKC15ME063	HS210(A), ME230(O), MA202(A), ME220(B+), ME232(A+), ME202(B+), ME204(O), ME206(B+)
LEKC15ME064	HS210(B+), ME230(O), MA202(C), ME220(C), ME232(B+), ME202(F), ME204(B+), ME206(C)
LEKC15ME065	HS210(B+), ME230(O), MA202(C), ME220(F), ME232(A), ME202(F), ME204(A+), ME206(B)

CIVIL ENGINEERING

Course Code	Course
MA202	PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS
CE202	STRUCTURAL ANALYSIS I
CE204	CONSTRUCTION TECHNOLOGY
CE206	FLUID MECHANICS II
CE208	GEOTECHNICAL ENGINEERING I
HS200	BUSINESS ECONOMICS
CE232	MATERIALS TESTING LAB I
CE234	FLUID MECHANICS LAB

Register No	Course Code (Grade)
EKC15CE001	HS200(B), MA202(C), CE202(F), CE204(B), CE206(B), CE208(B), CE232(O), CE234(B)
EKC15CE002	HS200(B), MA202(C), CE202(C), CE204(B), CE206(F), CE208(F), CE232(A+), CE234(B+)
EKC15CE004	HS200(B+), MA202(C), CE202(C), CE204(B+), CE206(F), CE208(C), CE232(O), CE234(A)
EKC15CE005	HS200(B+), MA202(F), CE202(B), CE204(A), CE206(B), CE208(B+), CE232(O), CE234(O)
EKC15CE006	HS200(C), MA202(F), CE202(F), CE204(C), CE206(C), CE208(F), CE232(B+), CE234(B+)
EKC15CE007	HS200(B+), MA202(C), CE202(C), CE204(B+), CE206(B), CE208(B), CE232(A), CE234(A)
EKC15CE008	HS200(A), MA202(F), CE202(P), CE204(B+), CE206(C), CE208(C), CE232(A), CE234(O)
EKC15CE009	HS200(B+), MA202(C), CE202(F), CE204(B+), CE206(A), CE208(B), CE232(A+), CE234(A+)
EKC15CE010	HS200(B), MA202(F), CE202(F), CE204(B), CE206(B), CE208(F), CE232(A+), CE234(C)

EKC15CE012	HS200(A), MA202(C), CE202(C), CE204(A), CE206(C), CE208(C), CE232(A), CE234(O)
EKC15CE013	HS200(F), MA202(C), CE202(F), CE204(P), CE206(F), CE208(F), CE232(A), CE234(C)
EKC15CE014	HS200(B+), MA202(B), CE202(B+), CE204(B), CE206(B+), CE208(B), CE232(A+), CE234(A+)
EKC15CE015	HS200(B+), MA202(B+), CE202(C), CE204(A), CE206(B+), CE208(B), CE232(O), CE234(O)
EKC15CE016	HS200(B), MA202(B), CE202(C), CE204(B+), CE206(C), CE208(B), CE232(A+), CE234(A+)
EKC15CE018	HS200(C), MA202(B), CE202(C), CE204(B+), CE206(F), CE208(B), CE232(A), CE234(A+)
EKC15CE019	HS200(B+), MA202(C), CE202(F), CE204(B+), CE206(C), CE208(F), CE232(A+), CE234(A)
EKC15CE020	HS200(B), MA202(F), CE202(F), CE204(B), CE206(F), CE208(C), CE232(A), CE234(A)
EKC15CE021	HS200(B), MA202(A), CE202(C), CE204(B), CE206(B+), CE208(A), CE232(A+), CE234(O)
EKC15CE023	HS200(C), MA202(B), CE202(B), CE204(C), CE206(C), CE208(B), CE232(A+), CE234(A)
EKC15CE028	HS200(F), MA202(F), CE202(F), CE204(C), CE206(F), CE208(F), CE232(A), CE234(B+)
EKC15CE029	HS200(B+), MA202(F), CE202(F), CE204(B), CE206(C), CE208(F), CE232(B+), CE234(A)
EKC15CE030	HS200(F), MA202(F), CE202(F), CE204(B), CE206(C), CE208(F), CE232(O), CE234(C)
EKC15CE031	HS200(F), MA202(F), CE202(F), CE204(B), CE206(B), CE208(C), CE232(B+), CE234(C)
EKC15CE032	HS200(P), MA202(B+), CE202(B+), CE204(C), CE206(B), CE208(B), CE232(A), CE234(B+)
EKC15CE033	HS200(F), MA202(C), CE202(C), CE204(C), CE206(B), CE208(F), CE232(B+), CE234(C)
EKC15CE034	HS200(B+), MA202(B), CE202(B+), CE204(C), CE206(B), CE208(B+), CE232(B+), CE234(C)
EKC15CE035	HS200(P), MA202(F), CE202(F), CE204(C), CE206(C), CE208(F), CE232(A), CE234(B+)
EKC15CE036	HS200(F), MA202(F), CE202(F), CE204(C), CE206(F), CE208(F), CE232(A), CE234(B)
EKC15CE037	HS200(A), MA202(B), CE202(B), CE204(B+), CE206(B+), CE208(B+), CE232(O), CE234(B+)
EKC15CE038	HS200(B), MA202(C), CE202(B+), CE204(B+), CE206(B), CE208(B), CE232(A), CE234(A+)
EKC15CE039	HS200(B), MA202(B), CE202(B+), CE204(A), CE206(F), CE208(B), CE232(A), CE234(O)
EKC15CE040	HS200(B), MA202(F), CE202(B), CE204(B+), CE206(F), CE208(C), CE232(A), CE234(B)
EKC15CE042	HS200(B), MA202(C), CE202(C), CE204(B), CE206(F), CE208(F), CE232(B+), CE234(B+)
EKC15CE043	HS200(C), MA202(F), CE202(F), CE204(C), CE206(F), CE208(F), CE232(C), CE234(B)
EKC15CE044	HS200(B+), MA202(C), CE202(B), CE204(B+), CE206(B), CE208(C), CE232(A), CE234(O)
EKC15CE045	HS200(A), MA202(C), CE202(B), CE204(A), CE206(B), CE208(B+), CE232(A), CE234(O)
EKC15CE047	HS200(B), MA202(B), CE202(B), CE204(B+), CE206(C), CE208(C), CE232(B+), CE234(A)
EKC15CE048	HS200(B+), MA202(C), CE202(B+), CE204(B+), CE206(B), CE208(B+), CE232(A+), CE234(O)
EKC15CE049	HS200(C), MA202(C), CE202(B), CE204(B), CE206(B), CE208(C), CE232(A+), CE234(A)
EKC15CE050	HS200(B+), MA202(F), CE202(B), CE204(B+), CE206(B), CE208(C), CE232(A), CE234(A+)
EKC15CE052	HS200(B), MA202(F), CE202(B), CE204(B), CE206(F), CE208(B), CE232(A+), CE234(B+)

EKC15CE053	HS200(B+), MA202(C), CE202(C), CE204(B+), CE206(F), CE208(C), CE232(A), CE234(O)
EKC15CE055	HS200(F), MA202(F), CE202(C), CE204(C), CE206(F), CE208(F), CE232(A), CE234(A+)
EKC15CE056	HS200(B), MA202(B), CE202(B+), CE204(C), CE206(B), CE208(F), CE232(A), CE234(O)
EKC15CE057	HS200(B), MA202(F), CE202(C), CE204(B), CE206(F), CE208(C), CE232(P), CE234(B)
EKC15CE058	HS200(B), MA202(B), CE202(B), CE204(B+), CE206(B), CE208(B), CE232(A+), CE234(O)
EKC15CE059	HS200(P), MA202(F), CE202(F), CE204(C), CE206(F), CE208(F), CE232(B+), CE234(C)
EKC15CE060	HS200(B), MA202(F), CE202(C), CE204(B+), CE206(F), CE208(F), CE232(A), CE234(B+)
EKC15CE062	HS200(F), MA202(F), CE202(F), CE204(C), CE206(F), CE208(F), CE232(B+), CE234(C)
EKC15CE063	HS200(B), MA202(B), CE202(B+), CE204(B+), CE206(B), CE208(B), CE232(A), CE234(A+)
LEKC15CE064	HS200(C), MA202(F), CE202(C), CE204(B), CE206(F), CE208(F), CE232(A), CE234(A)
LEKC15CE065	HS200(P), MA202(F), CE202(F), CE204(B+), CE206(F), CE208(F), CE232(O), CE234(B+)

COMPUTER SCIENCE & ENGINEERING

Course Code	Course
MA202	PROBABILITY DISTRIBUTIONS, TRANSFORMS AND NUMERICAL METHODS
CS202	COMPUTER ORGANIZATION AND ARCHITECTURE
CS204	OPERATING SYSTEMS
CS206	OBJECT ORIENTED DESIGN AND PROGRAMMING
CS208	PRINCIPLES OF DATABASE DESIGN
HS200	BUSINESS ECONOMICS
CS232	FREE AND OPEN SOURCE SOFTWARE LAB
CS234	DIGITAL SYSTEMS LAB

Register No	Course Code (Grade)
EKC15CS001	HS200(C), MA202(C), CS202(C), CS204(F), CS206(C), CS232(B+), CS208(F), CS234(B)
EKC15CS004	HS200(C), MA202(F), CS202(C), CS204(F), CS206(F), CS232(B+), CS208(F), CS234(C)
EKC15CS005	HS200(B+), MA202(F), CS202(B), CS204(F), CS206(F), CS232(B+), CS208(F), CS234(C)
EKC15CS008	HS200(B), MA202(F), CS202(B), CS204(B), CS206(C), CS232(A+), CS208(F), CS234(B+)
EKC15CS009	HS200(B+), MA202(F), CS202(B), CS204(B+), CS206(F), CS232(A+), CS208(F), CS234(B)
EKC15CS012	HS200(C), MA202(F), CS202(C), CS204(P), CS206(F), CS232(B+), CS208(F), CS234(B)
EKC15CS014	HS200(O), MA202(B), CS202(A+), CS204(A), CS206(B+), CS232(O), CS208(A), CS234(A+)

EKC15CS016	HS200(O), MA202(B+), CS202(B+), CS204(A), CS206(B+), CS232(A), CS208(B), CS234(O)
EKC15CS018	HS200(A), MA202(B+), CS202(B+), CS204(B), CS206(B+), CS232(O), CS208(B), CS234(A+)
EKC15CS019	HS200(B), MA202(B), CS202(C), CS204(C), CS206(F), CS232(B+), CS208(F), CS234(B+)
EKC15CS021	HS200(C), MA202(F), CS202(F), CS204(F), CS206(F), CS232(B+), CS208(F), CS234(B)
EKC15CS022	HS200(P), MA202(P), CS202(C), CS204(F), CS206(F), CS232(B+), CS208(F), CS234(P)
EKC15CS023	HS200(B+), MA202(F), CS202(F), CS204(B), CS206(C), CS232(A), CS208(F), CS234(B+)
EKC15CS025	HS200(B), MA202(F), CS202(B), CS204(B), CS206(B), CS232(A+), CS208(B), CS234(P)
EKC15CS026	HS200(B+), MA202(F), CS202(B), CS204(B), CS206(B), CS232(B+), CS208(B), CS234(B)
EKC15CS027	HS200(B+), MA202(F), CS202(B), CS204(B+), CS206(B), CS232(B+), CS208(B), CS234(A)
EKC15CS030	HS200(B), MA202(P), CS202(P), CS204(B), CS206(B), CS232(A), CS208(B), CS234(A+)
EKC15CS031	HS200(C), MA202(F), CS202(B), CS204(F), CS206(F), CS232(B+), CS208(F), CS234(B+)
EKC15CS032	HS200(B+), MA202(F), CS202(C), CS204(B), CS206(B), CS232(A+), CS208(B), CS234(B+)
EKC15CS035	HS200(B), MA202(C), CS202(B), CS204(B), CS206(B), CS232(B+), CS208(B), CS234(C)
EKC15CS038	HS200(F), MA202(F), CS202(C), CS204(F), CS206(C), CS232(B), CS208(F), CS234(P)
EKC15CS040	HS200(F), MA202(P), CS202(F), CS204(F), CS206(F), CS232(B), CS208(F), CS234(P)
EKC15CS041	HS200(C), MA202(C), CS202(C), CS204(F), CS206(F), CS232(B), CS208(F), CS234(B)
EKC15CS042	HS200(A+), MA202(A+), CS202(B+), CS204(B+), CS206(B+), CS232(O), CS208(B), CS234(O)
EKC15CS043	HS200(B), MA202(P), CS202(F), CS204(F), CS206(P), CS232(C), CS208(F), CS234(P)
EKC15CS044	HS200(C), MA202(F), CS202(C), CS204(F), CS206(F), CS232(B), CS208(F), CS234(C)
EKC15CS045	HS200(A), MA202(C), CS202(B), CS204(B), CS206(B), CS232(B+), CS208(B), CS234(A)
EKC15CS046	HS200(B), MA202(F), CS202(B), CS204(B+), CS206(B), CS232(O), CS208(B), CS234(B)
EKC15CS047	HS200(B+), MA202(B+), CS202(B+), CS204(B+), CS206(B+), CS232(O), CS208(B+), CS234(A)
EKC15CS052	HS200(FE), MA202(FE), CS202(C), CS204(FE), CS206(F), CS232(B), CS208(FE), CS234(C)
EKC15CS053	HS200(B+), MA202(F), CS202(B), CS204(F), CS206(C), CS232(O), CS208(F), CS234(A+)
EKC15CS054	HS200(B), MA202(F), CS202(C), CS204(B), CS206(B), CS232(B+), CS208(F), CS234(C)
EKC15CS055	HS200(B+), MA202(C), CS202(B+), CS204(B+), CS206(A), CS232(A+), CS208(B), CS234(B+)
LEKC15CS056	HS200(C), MA202(F), CS202(B), CS204(B), CS206(B+), CS232(B+), CS208(C), CS234(A)
LEKC15CS057	HS200(F), MA202(F), CS202(B), CS204(F), CS206(C), CS232(B+), CS208(C), CS234(B+)
LEKC15CS058	HS200(B), MA202(F), CS202(B+), CS204(F), CS206(C), CS232(B+), CS208(C), CS234(A+)
LEKC15CS059	HS200(F), MA202(F), CS202(F), CS204(F), CS206(F), CS232(B+), CS208(C), CS234(P)
LEKC15CS060	HS200(O), MA202(B+), CS202(B+), CS204(B+), CS206(B+), CS232(O), CS208(B+), CS234(O)
LEKC15CS061	HS200(C), MA202(P), CS202(B), CS204(B), CS206(B), CS232(A+), CS208(C), CS234(O)

ELECTRONICS & COMMUNICATION ENGG

Course Code	Course
MA204	PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS
EC202	SIGNALS & SYSTEMS
EC204	ANALOG INTEGRATED CIRCUITS
EC206	COMPUTER ORGANIZATION
EC208	ANALOG COMMUNICATION ENGINEERING
HS210	LIFE SKILLS
EC232	ANALOG INTEGRATED CIRCUITS LAB
EC230	LOGIC CIRCUIT DESIGN LAB

Register No	Course Code (Grade)
EKC15EC001	HS210(A+), MA204(F), EC204(F), EC232(B+), EC202(F), EC206(C), EC208(C), EC230(A)
EKC15EC002	HS210(B+), MA204(F), EC204(B), EC232(B+), EC202(F), EC206(F), EC208(C), EC230(B+)
EKC15EC003	HS210(A), MA204(B), EC204(B), EC232(B+), EC202(F), EC206(B), EC208(B), EC230(B+)
EKC15EC004	HS210(B+), MA204(A), EC204(B+), EC232(A+), EC202(C), EC206(B), EC208(B), EC230(B)
EKC15EC006	HS210(B+), MA204(B), EC204(P), EC232(A+), EC202(F), EC206(Absent), EC208(Absent), EC230(A)
EKC15EC007	HS210(A+), MA204(C), EC204(B), EC232(A+), EC202(F), EC206(B), EC208(B), EC230(A+)
EKC15EC008	HS210(B+), MA204(C), EC204(B), EC232(B+), EC202(F), EC206(C), EC208(B+), EC230(B+)
EKC15EC009	HS210(A+), MA204(B+), EC204(B+), EC232(A), EC202(B), EC206(B+), EC208(B+), EC230(O)
EKC15EC010	HS210(A+), MA204(B+), EC204(A), EC232(A), EC202(C), EC206(B+), EC208(B+), EC230(A+)
EKC15EC012	HS210(A), MA204(B), EC204(B), EC232(A), EC202(F), EC206(B), EC208(B), EC230(A)
EKC15EC013	HS210(O), MA204(A), EC204(A), EC232(O), EC202(B+), EC206(B+), EC208(B+), EC230(O)
EKC15EC014	HS210(A+), MA204(B+), EC204(B), EC232(A), EC202(C), EC206(A), EC208(B), EC230(O)
EKC15EC015	HS210(B+), MA204(C), EC204(B), EC232(B+), EC202(F), EC206(C), EC208(B), EC230(B+)
EKC15EC016	HS210(B+), MA204(C), EC204(C), EC232(A), EC202(F), EC206(C), EC208(C), EC230(B+)
EKC15EC022	HS210(A+), MA204(B), EC204(A), EC232(B+), EC202(F), EC206(B), EC208(B+), EC230(O)
EKC15EC025	HS210(B+), MA204(B), EC204(C), EC232(B), EC202(F), EC206(F), EC208(P), EC230(O)
EKC15EC027	HS210(B+), MA204(F), EC204(C), EC232(B+), EC202(F), EC206(F), EC208(C), EC230(B+)
EKC15EC028	HS210(B+), MA204(F), EC204(F), EC232(B+), EC202(F), EC206(F), EC208(F), EC230(B+)

EKC15EC029	HS210(B+), MA204(C), EC204(B), EC232(B+), EC202(C), EC206(C), EC208(C), EC230(O)
EKC15EC030	HS210(A), MA204(B), EC204(B), EC232(B+), EC202(F), EC206(C), EC208(B), EC230(B+)
EKC15EC031	HS210(A+), MA204(B+), EC204(B+), EC232(A), EC202(B), EC206(B), EC208(B), EC230(O)
EKC15EC032	HS210(A+), MA204(B), EC204(A), EC232(A), EC202(B), EC206(B+), EC208(B), EC230(B)
EKC15EC033	HS210(A+), MA204(B), EC204(B+), EC232(A), EC202(F), EC206(B), EC208(B), EC230(B+)
EKC15EC034	HS210(A+), MA204(B), EC204(B+), EC232(A+), EC202(B), EC206(B+), EC208(B), EC230(O)
EKC15EC035	HS210(A), MA204(C), EC204(C), EC232(B+), EC202(F), EC206(F), EC208(C), EC230(A+)
EKC15EC036	HS210(FE), MA204(FE), EC204(FE), EC232(FE), EC202(FE), EC206(FE), EC208(FE), EC230(FE)
EKC15EC037	HS210(A+), MA204(B), EC204(A+), EC232(O), EC202(B+), EC206(A), EC208(B+), EC230(O)
LEKC15EC040	HS210(A+), MA204(C), EC204(B+), EC232(A), EC202(F), EC206(B+), EC208(B), EC230(A)
LEKC15EC041	HS210(A), MA204(C), EC204(F), EC232(B+), EC202(C), EC206(C), EC208(B), EC230(O)
LEKC15EC042	HS210(B+), MA204(C), EC204(C), EC232(B+), EC202(F), EC206(C), EC208(F), EC230(O)
LEKC15EC043	HS210(B+), MA204(F), EC204(F), EC232(A), EC202(F), EC206(C), EC208(F), EC230(O)
LEKC15EC044	HS210(B+), MA204(F), EC204(F), EC232(A), EC202(F), EC206(F), EC208(F), EC230(A)
LEKC15EC045	HS210(B), MA204(F), EC204(C), EC232(A), EC202(F), EC206(B), EC208(F), EC230(A)
LEKC15EC046	HS210(B+), MA204(F), EC204(C), EC232(A+), EC202(F), EC206(B), EC208(F), EC230(A+)
LEKC15EC047	HS210(A), MA204(B), EC204(B), EC232(A+), EC202(B), EC206(B), EC208(F), EC230(A+)
LEKC15EC048	HS210(B+), MA204(C), EC204(B), EC232(B+), EC202(F), EC206(C), EC208(C), EC230(O)
LEKC15EC049	HS210(O), MA204(F), EC204(B), EC232(A+), EC202(F), EC206(B+), EC208(C), EC230(O)
LEKC15EC050	HS210(A+), MA204(F), EC204(B), EC232(A), EC202(F), EC206(B), EC208(B), EC230(O)
LEKC15EC051	HS210(B), MA204(F), EC204(B), EC232(B+), EC202(F), EC206(F), EC208(C), EC230(O)
LEKC15EC052	HS210(B+), MA204(C), EC204(F), EC232(B+), EC202(F), EC206(B), EC208(C), EC230(O)