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FOR KARNATAKA CLASS 11 PREPARATION

Karnataka 1st PUC Blueprint 2027 for Electronics

EXAM	YEAR	TYPE	SUBJECT
Karnataka Class 11	2027	Blueprint	Electronics

Subject: **I PUC Electronics (40)**

Sl No.	Name of the Chapter	No. of Hrs	Knowledge 35%				Understanding 35%				Application 20%				HOTS 10%	Total marks
			1	2	3	5	1	2	3	5	1	2	3	5		
1	Introduction to Electronics	04	√				F	√								04
2	Principles of electricity, Network theorems and AC principles	21	√ F		√		√			E			N		N	19
3	Measuring instruments	04	√					√								03
4	Passive electronic components	22	√	√		E	√ F		√					N		18
5	Applications of DC and AC to passive components	14	√		√		√	√					N			10
6	Semiconductors, Diodes and Applications of diodes	26	F	√		E	√		√	E	√				N	23
7	Bipolar junction transistor	07	√		√			√			N					07
8	Introduction to digital electronics	18	√		√		F			E	√	√		N		18
9	Practical electronic components, their specifications and PCB	04		√			√									03
TOTAL		120	37				37				21				10	105

F – Fill in the blanks, HOTS – Higher order thinking, E –Essay type Question, N-Numerical Problems,

Question Paper Pattern
Subject: I PUC Electronics (40)

Parts	Marks per Question	Total Questions given including choices	Questions to be answered
Part A – I (MCQ)	1	15Q×1M = 15	15Q×1M = 15
Part A – II (Fill in the Blanks)	1	5Q×1M = 05	5Q×1M = 05
Part B - III	2	8Q×2M = 16	5Q×2M = 10
Part C - IV	3	8Q×3M = 24	5Q×3M = 15
Part D - V Section I (Essay Type)	5	5Q×5M = 25	3Q×5M = 15
Part D - VI Section II (Numerical)	5	4Q×5M = 20	2Q×5M = 10
		105	**70**