Karnataka Board Blueprint

SUBJECT: ELECTRONICS (40) **BLUE PRINT** **CLASS-XI**

Chapters	No. of Hours	Marks	Remember					Understand					Apply				HOTS			
			MCQ 1M	SA 1M	SA 2M	LA 3M	LA 5M	MCQ 1M	SA 1M	SA 2M	LA 3M	LA 5M	MCQ 1M	SA 2M	LA 3M	LA 5M	MCQ 1M	SA 2M	LA 3M	LA 5M
Introduction to Electronics	4	4	1			1														
Principles of electricity	21	21	1		1		1T	2	1		1			1						1N
Measuring Instruments	4	3		1						1										
Passive electronic components	22	19	1			1	1T		1	1	1		1	1			1			
Application of AC and DC to passive components	14	14	1		1		1T									1N	1			
Semiconductors, diodes and applications of diodes	26	24	1			1			1		1	1T	1	1	1					1N
Bipolar junction transistor	7	7	1					1				1T								
Introduction to digital electronics	18	21	1		1				1		1	1T			1		1			1N
Practical electronic components and their specifications and PCB	4	2								1										
Total	120	115	07	01	6	9	15	3	4	6	12	15	02	6	6	05	03	0	0	15

SA 1M: FILL IN THE BLANKS N – Numerical Problems 1T – Essay Type

PATTERN OF QUESTION PAPER

Question type	Number of questions	Marks
PART –A MCQ	**15**	**15**
FILL IN THE BLANKS (SA 1M)	**05**	**05**
PART-B 2M	**09**	**18**
PART-C 3M	**09**	**27**
PART-D SECTION-I 5M(ESSAYTYPE)	**06**	**30**
SECTION-II 5M(PROBLEMS)	**04**	**20**
Total	**48**	**115**

WEIGHTAGE TO OBJECTIVES

COGNITIVE LEVEL	WEIGHTAGE	MARKS
REMEMBER	32%	37
UNDERSTANDING	35%	40
APPLY	17%	20
HOTS	16%	18
TOTAL		**115**

GENERAL GUIDELINES FOR SETTING THE QUESTION PAPER

1. **The question paper should be prepared on the basis of blueprint following the weightage of marks for each chapter. The questions must be framed to check the specific cognitive levels as mentioned in the blue print**
2. **Questions should be clear,unambiguous, understandable and free from grammatical errors.**
3. **The question should be framed using the contents in text book (Part of Syllabus),or content or concepts derived from the content only.**
4. **In MCQs the options should valid reliable and fair.**
5. **When the questions carrying 3marks or 5 marks are split, the question should be from the same chapter.**
6. **In PART-A(I main) 3 MCQs and in PART-D (section-II or VI main) 3 problems of the same difficulty level must be framed to check the HigherOrderThinkingSkills(HOTS).**
7. **One /Two simple numerical problems must be included in each of PART-B and PART-C**

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