Group Theory:

Imp Stuff:

⟹ lagranges theorem.
⟹ coset decomposition: all, left, right.
⟹ cyclic groups question, find generators + imp theorems.
⟹ Homomorphism & Isomorphism ⟹ only theorems.
⟹ prove if it is a group or an abelian group.
⟹ imp theorems on abelian groups

Coding Theory:

⟹ Parity check matrix ⟹ 8M/10M
⟹ encode/decode the word, Triple repetetion code ⟹ 8M/10M

Graph Theory and Trees:

⟹ Chromatic polynomial ⟹ 8M/10M.
⟹ Kruskal's or prims M·S·T ⟹ 8M/10M.
⟹ walk, trail, path ⟹ 4M
⟹ subgraphs ⟹ 4M.

Logic

⟹ laws of logic ⟹ 4M/8M
⟹ find negation of foll ⟹ 4M.
⟹ converse, inverse, contra tve of the given statements ⟹ 4M/6M.
⟹ prove the validity of the foll/laws of inference ⟹ 6M/4M.
⟹ open statements ⟹ 4M

Relations and funcs.

⟹ Partial order questions.
⟹ Hasse diagram ⟹ 6/8/10M ⟹ for sure.
⟹ Equivalence reln questions.

⟹ Stirling questions
⟹ Imp theorems on functions ⟹ 4M/6M
⟹ Inverse functions