MOD 1 – BLOCK DIAG DCS, BANDWIDTH OF SIGNALS AND SYSTEMS, SAMPLING AND RECOVERY OR RECONSTRUYCTION (10M) – THEORY, DERIVATION AND CONCEPTS

MOD 2 – PCM, DM, ADAPTIVE PCM – THEORY AND CONCEPTS – NO NUMERICAL

MOD 3 – ONLY PSD (GENERAL EXPRESSION CARRIES 3 MARKS) - DERIVATION

* UNIPOLAR PSD
* POLAR PSD
* BIPLOAR PSD ALL (ALL ALONG WITH GRAPH)

MOD 4 – BASEBAND TRANSMISSION SYSTEM BLOCK DIAGRAM, NYQUIST ZERO ISI, RAISED COSINE FILTERING, EYE PATTERN (NO EQUALIZATION NO CORRELATIVE CODING NO SCHEMES) – THEORY

MOD 5 – (25 MARKS HEAVY WEIGHTAGE) – GSO PROBLEM, SCHEMES (DIGITAL MOD SCHEMES – BPSK, QPSK, ASK – FOR WHICH TRANSMITTER, RECEIVER, BLOCK DIAGRAM, PROBABLITY OF ERROR, CONSTELLATION DIAGRAM) – PROBLEMS + THEORY

MOD 6 – PSEUDO NOISE SEQUENCE, PROPERTIES, DIRECT SEQ SPREAD SPECTRUM, TDMA, CDMA, FDMA, SDMA – THEORY AND PROBLEMS (20 MARKS)

MOD 7 – (15 MARKS) – INFORMATION THEORY - ENTROPY, MUTUAL INFORMATION, ERROR CONTROL CODES, HAMMING CODES

MOD 1 - 10

MOD 2 – 10

MOD 3 – 10

MOD 4 – 10

MOD 5 – 25

MOD 6 – 20

MOD 7 - 15