

MULTIMEDIA SIGNAL PROCESSING
EXAM TOPICS 23.03.2007

Please state that you completed exercises successfully.

1. FORMULATE FUNDAMENTAL PRINCIPLES OF BIOLOGICAL INFORMATION PROCESSING AND EXPLAIN WHY THEY ARE REASONABLE
2. HUMAN EYE LENS PROJECTS IMAGES UPSIDE DOWN, WHY WE SEE PICTURES IN CORRECT POSITION?
3. WHY BLOCK TRANSFORMS ARE USEFUL FOR VISUAL PROCESSING TASKS ?
4. HOW COLOR HISTOGRAMS CAN BE USED FOR VISUAL PROCESSING, EXPLAIN ON EXAMPLE
5. DESCRIBE COLOR SPACES AND HOW THEY CAN BE USED IN THE REDUCTION OF INFORMATION
6. DESCRIBE THE PRINCIPLES AND ARCHITECTURE OF THE MPEG-7 STANDARD

You can answer in Finnish or English.

THE QUESTIONS ARE GRADED FROM 0-5 POINTS. THE GRADES ARE ASSIGNED AS FOLLOWS:

<14p. - 0
15-16p. - 1
17-19p. - 2
20-23p. - 3
24-27p. - 4
28-30p. - 5

IREK DEFÉE