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Section: 1 (8:30pm) 2 (11:30pm) 3 (1:30)

1. (a) Fourier (5) _____

(b) Inverse Fourier (5) _____

...../10

2. (a) F_k (7) _____(b) F_{2k} (8) _____

...../15

3. (a) g, h (5) _____(b) G, H (5) _____(c) F (5) _____(d) F (butterfly) (5) _____

...../20

4. Edge Sharpening

...../15

4. train / bird

...../20

5. Image compression

...../20

Total: (100) _____