

QUIZ for Advances in Video Compression – 28<sup>th</sup> April 2020

1. What type of data is the main driver of traffic in networks?

Music

Video

Games

Conversation

2. How much of the mobile data traffic is forecasted to be video in 2025?

23%

45%

76%

87%

3. In JPEG encoding, what conversion concentrates energy to a few coefficients?

YUV

8x8 blocks

DCT

quantization Huffman

4. Where are motion vectors used?

I pictures

P pictures

DCT

zig-zag scanning

5. Which of the following are video codecs?

AVC

JPEG

AMR

EVS

VVC

6. The deployment of AVC enabled

MP4

HDTV

VR

5G

DVD

7. Which depth cues are physiological?

Occlusion

disparity

perspective

convergence

lens focus

8. What aspects are relevant for Ultra HD TV (UHDTV)?

Resolution

loudness

color space

frame rate

compression ratio

9. What aspects are relevant for Virtual Reality?

Immersion

audio

video

see-through glasses

10. By introducing 5G we expect improvements on

latency

macroblocks throughput

battery life

quantization