

**Lesson 18 – QUESTIONS**

Q1 What is the difference between an analogue and a digital signal?

Q2 Complete the following table.

Number	P1	P2	P3	P4	P5	P6	P7	P8
	1	0	0	1	1	1	0	1
127								
62								
	0	0	0	1	1	1	1	1
	1	1	0	0	0	0	0	1
99								

Q3 What is the ASCII code for capital A? (Look it up)

Q4 What is a D to A?

Q5 What is a A to D?

Q6 How is the optimum sampling rate calculated?

Q7 What is the optimum sampling rate for a signal that has a maximum frequency of 100 KHz?

Q8 Explain quantisation.

Q9 What is an anti-aliasing filter?

Q10 What is direct digital synthesis?

Q11 What do the terms NRZ and RZ mean?

Q12 If in a data stream running at 9600 bps and each bit represents four characters, what is the baud rate?

Q13 What is a communications protocol?

Q14 What is 2 – PSK?

Q15 Why is PSK 31 popular on amateur bands?

