Answers and mark guide

Q	Answer	Working	Marks
1	**£900.00**	20% of £1500 = £300 per year; × 3	2
2	**£160.00**	4% of £1000 = £40 per year; × 4	2
3	**£800.00**	10% of £2000 = £200 per year; × 4	2
4	**£64.00**	4% of £400 = £16 per year; × 4	2
5	**£1000.00**	10% of £2000 = £200 per year; × 5	2
6	**£416.16**	£400 × 1.02^2	3
7	**£1210.00**	£1000 × 1.1^2	3
8	**£2420.00**	£2000 × 1.1^2	3
9	**£20.20**	Total after 2 years − £500	3
10	**£1280.00**	£800 + 3 × £160	2
11	**£2431.01**	£2000 × 1.05^4	4
12	**£4913.00**	£8000 × 0.85^3	4
13	**£242.00**	Total after 3 years − total after 2 years	5
14	**£5796.37**	£5000 × 1.03^5	4
15	**£765.00**	£1200 × 0.75 × 0.85	5
16	**£128.00**	Compound £1728.00; simple £1600.00	5
17	**15 years**	1000 × 1.05^n > 2000; n = 15 gives £2078.93	5
18	**£1000**	× 1.1^2 = × 1.21; ÷ 1.21	5
19	**68,590**	80,000 × 0.95^3	5
20	**Bank A by £1.45**	A: 2000 × (1 + 0.032×5) = £2320.00. B: 2000 × 1.03^5 = £2318.55	5

My score: _____ / 71 Questions 1–15 = 46 marks (Foundation focus)