- (7) What principal will amount to £387 16s. $3\frac{1}{2}$ d. in $5\frac{3}{4}$ years at $3\frac{3}{4}$ per cent? Ans. P=£319 0s. 6d.
- (8) At what rate per cent will £537 12s. 6d. amount to £645 3s. in five years? Ans. r=4 years.
- (9) In what time will £926 12s. amount to £1130 9s. 0 d. at 4 per cent? Ans. $t=5\frac{1}{2}$ years.
- (10) In what time will £130 double itself at 7 per cent? Ans. $t=14\frac{2}{7}$ years.

In what time will any sum of money quadruple itself at 6 per cent? Ans. t=50 years.

- (11) To how many times itself will any sum of money amount in 25 years at 8 per cent? Ans. n=3.
- (12) At what rate per cent will any sum of money amount to 6 times itself in 20 years? Ans. $r=2\frac{1}{2}$.
- (13) What is the discount on a bill of £550 10s. payable in nine months at 5 per cent? Ans. D=£19 17s. 11¹/₄d.
- (14) What is the present worth of a bill for £100 payable in 2 years at 5 per cent. Ans. P =£90 18s. $2\frac{12}{12}$ d.
- (15) What is the amount and compound interest of £142 for 8 years at 3 per cent half-yearly? Ans. A=£227 17s. 41d. and I=£85 17s. 41d.
- (16) What sum will amount to £432 in 8 years at 3 per cent Compound Interest. Ans. P=£341 0s. 4d.
- (17) At what rate per cent will £500 amount to £629 17s. 1¹/₂₅d. in 3 years allowing Compound Interest? Ans. r=8 per cent.
- (18) In what time will £1500 arise from £1219 12s. 9.1. at 3 per cent allowing Compound Interest ? Ans. t=7 years.
- (19) In what time will any sum of money double itself at 5 per cent Compound Interest. Ans. $t=14\frac{1}{4}$ years.
- (20) Find the sum of the series of which 6 is the first term, 796 the last term, and 80 the number of terms. Ans. S=32080.
- (21) Find the first term of the series whose sum=444, last term = 70 and number of terms=12. Ans. a=4.

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