1) At what rate percent per annum will a sum of money double in 8 year?

A) 11.5 % B) 12.5% C) 13.5% D) 14.5%

2) A sum of money at simple interest amounts to ₹815 in 3 years and to ₹854 in 4 years. The sum is:

A) ₹620 B) ₹690 C) ₹698 D) ₹700

3) A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay ₹5400 interest only for the period. The principal amount borrowed by him was:

A) ₹2000 B) ₹10000 C) ₹15000 D) ₹20000

4) A person borrows ₹5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person at $16\frac{1}{4}$ p.a for 2 years. Find his gain in the transaction per year

A) ₹112.5 B) ₹150.25 C) ₹167.5 D) ₹170

5) How much time will take for an amount of ₹450 to yield ₹81 as interest at 4.5% per annum of simple interest?

A) 4 years B) 2.5 years C) 3.5 years D) 2 years

6) If a sum of money at simple interest doubles in 6 year, it will be 4 times in [AAI (ATC)-2016]

A) 12 years B) 14 years C) 16 years D) 18 years

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7) At what rate of simple interest, will a sum of money double itself in 4 years?

A) 50% B) 25% C) 20% D) 24%

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8) A principal becomes 5 times of itself in 10 years. What should be the rate of interest p.a.?

A) 50 B) 40 C) 30 D) NOTA

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9) In how many years Simple interest on principal be equal to the principal at the rate of 25% p.a.?

A) 4 B) 3 C) 2 D) NOTA

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10) Simple interest on ₹500 for 4 year at 6.25% per annum is equal to the Simple interest on ₹400 at 5% per annum for a certain period of time. The period of time is [RRB-2014(JE), BILASPUR]

A) 4 year B) 5 year C) $6\frac{1}{4}\ years$ D) $8\frac{2}{3}\ years$

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11) A principal becomes ₹900 after 3 years and ₹1200 after 6 years on simple interest, then find the principal and rate of interest?

A) 500, 10% B) 600, 16.67% C) 500, 16.67% D) 600, 10%

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12) A sum of ₹3200 becomes ₹3776 in 3 year at a certain rate of simple interest. What is the rate of interest per annum?

A) 18% B) 9% C) 6% D) 3%

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13) A certain sum is invested for certain time. It amount to ₹3500 at 10% per annum. But when invested at 8% per annum, it amounts to ₹3000, then find the time & principal?

A) 25 year, ₹2500 B) 25 year, ₹1000 C) 15 year, ₹2500 D) 15 year, ₹1000

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14) What is the simple interest to be paid on a principal of ₹24000 borrowed at a rate of 15% for a period of 3 years and 6 months? [ONGC]

A) ₹14400 B) ₹13200 C) ₹10800 D) ₹12600

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15) ₹5000 invested on compound interest for 2 years at the rate of 10% per annum, then find the amount and interest after 2 years

A) ₹6050, ₹1050 B) ₹6000, ₹1000 C) ₹6025, ₹1025 D) NOTA

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16) ₹1000 invested on compound interest for 3 years at the rate of 10%, 20%, 10% for 1st, 2nd and 3rd year respectively, then find the amount after 3 years

A) ₹1252 B) ₹1352 C) ₹1452 D) ₹1652

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17) On a certain principal the compound interest compounded annually for the second year at 10% per annum is ₹132. The principal is

A) ₹ 1250 B) ₹1000 C) ₹1200 D) ₹1320

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18) A sum of money doubles itself at some rate of compound interest in 15 year. In how many years will it become eight times of itself with the same rate?

A) 30 B) 40 C) 45 D) NOTA

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19) A sum of ₹ 3000 amounts to ₹6000 in two years at compound interest. The interest for four year is:

A) ₹ 9000 B) ₹12000 C) ₹6000 D) ₹3000

20) A sum becomes ₹2916 in 2 years at 8% per annum compound interest. The sum is [RRB-2014(JE), BILASPUR]

A) ₹2750 B) ₹2560 C) ₹2625 D) ₹2500

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21) Leila aspires to buy a car worth ₹$10,00,000$ after 5 years. What is the minimum amount in ₹ that she should deposit now in bank which offers 10% annual rate of interest, if the interest was compounded annually? [GATE 2018, 2 MARKS (EC)]

A) ₹5,00,000 B) ₹6,21,000 C) ₹6,66,667 D) ₹7,50,000

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22) In how many years will ₹2000 amounts to ₹2420 at 10% per annum compound interest [AAI-2016(ATC)]

A) 3 years B) $2\frac{1}{2}$ years C) 2 years D) $1\frac{1}{2}$ years

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23) At what percent per annum will 3000 amount to 3993 in 3 years if the interest in compound annually? [RRB-2019(JE)]

A) 9% B) 10% C) 11% D) 13%

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24) A sum of money on compound interest amount to 10648 in 3 years and 9680 in 2 years. The rate of interest per annum is:

A) 5% B) 10% C) 15% D) 20%

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25) If the amount is $3\frac{3}{8}$ times the sum after 3 years at compound interest compound annually, then the rate of interest per annum is

A) 25% B) 50% C) $16\frac{2}{3}\%$ D) $33\frac{1}{3}\%$

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26) ₹2000 invested for 2 years at the rate of 20% p.a. on compound interest but interest to be calculated half yearly. Then find the amount after 2 years?

A) ₹2728.2 B) ₹2928.2 C) ₹2828.2 D) ₹2628.2

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27) ₹2000 invested for 9 months at the rate of 16% p.a. on compound interest but interest to be calculated quarterly, then find the amount after 9 months

A) ₹2329.7 B) ₹2449.7 C) ₹2249.7 D) ₹2549.7

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28) If the annual increase in the population of a village is 4% and the population at present is 17576, then what was the population 3 years ago?

[RRB (JE)-2019]

A) 12576 B) 15625 C) 19770 D) 18625

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29) Population of a village is 10000 year 2012 and is 14400 in 2014. Find Compound annual growth rate?

A) 20% B) 28% C) 22% D) 18%

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30) ₹2000 separately invested on compound interest and simple interest at the rate of 20% per annum. What should be the difference between both interests after 2 years?

A) ₹60 B) ₹70 C) ₹80 D) NOTA

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31) The difference between the compound interest compounded every six months, and the simple interest on certain sum of money at rate of 12% per annum for 1 year is ₹36, the principle is?

A) ₹10,000 B) ₹10,100 C) ₹11,000 D) NOTA

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32) Find the difference between simple interest and compound on ₹1200 for one year at 10% per annum. Interest to be calculated half yearly?

A) ₹4 B) ₹2 C) ₹3 D) NOTA

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33) An amount fetched a total simple interest of ₹3200 at the rate of 6.25% per year in 4 years. What is the amount (in ₹)? [AAI (ATC)-2016]

A) ₹13800 B) ₹11800 C) ₹12800 D) ₹14800

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34) Find the simple interest on ₹4800 at the rate of 8.5% per annum for a period of 2 years 3 months. [RRB-2014(JE), BILASPUR]

A) ₹796 B) ₹816 C) ₹918 D) ₹990

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35) What will be the amount for a sum of ₹1491 at 10% for 3 years compounded annually? [RRB-JE, 2019]

A) ₹1938.3 B) ₹1984.5 C) ₹1955.5 D) ₹2004.3

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36) Radha kept an amount of ₹2,500 as deposit for 2 years at the rate of 12 per cent per annum at compound interest. How much total interest will she get at the end of 2 years? [VIZAG STEEL PLANT, 2015]

A) ₹ 600 B) ₹ 336 C) ₹ 636 D) ₹ 720

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37) ₹ 12,000 deposited on compound interest becomes double in five years. If it is deposited on the same compound interest for 20 years, then this amount would become-- [CGPSC-2014]

A) ₹ 48,000 B) ₹ 1,92,000 C) ₹ 96,000 D) ₹ 1,96,000

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38) If 2500 becomes to 2970.25 in 2 years at compound interest compounded annually. What is the yearly rate of interest (in %)?

A) 7 B) 9 C) 11 D) 13

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39) The compound interest on 30,000 at 7% per annum from n years is 4347. The value of n is

A) 3 B) 2 C) 4 D) 5

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40) ₹2000 invested for 2 year 6 months at the rate of 5% half yearly on compound interest but interest to be calculated annually, then find the amount after 2 year 6 months

A) ₹2541 B) ₹2441 C) ₹22341 D) ₹2641

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41) The difference between simple and compound interest on a certain sum of money at 5% per annum for 2 years is ₹160. Find the sum [VIZAG STEEL PLANT, 2015]

A) ₹ 64,000 B) ₹ 60,000 C) ₹ 40,000 D) ₹ 48,000

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42) In how many years will a sum of ₹800 at 10% per annum compounded semi-annually become ₹926.10?

A) 1.5 B) 2.5 C) 3.5 D) 4.5

43) A sum was put at simple interest at a certain rate for 3 years. Had it been put at 2% higher rate, it would have fetched ₹360 more. Find the sum?

A) ₹4000 B) ₹5000 C) ₹6000 D) ₹9000

44) At what rate of compound interest per annum will a sum of ₹1200 becomes ₹1348.32 in 2 year?

A) 6 % B) 6.5% C) 7% D) 7.5%

45) The difference between the simple interest received from two different sources on ₹1500 for 3 years is ₹13.50. The difference between their rates of interest is?

A) 0.1 % B) 0.2% C) 0.3% D) 0.4%

Answer Key:-

1)	B	2)	C	3)	C	4)	A	5)	A	6)	D	7)	B	8)	B	9)	A
10)	C	11)	B	12)	C	13)	D	14)	D	15)	A	16)	C	17)	C	18)	C
19)	A	20)	D	21)	B	22)	C	23)	B	24)	B	25)	D	26)	B	27)	C
28)	B	29)	A	30)	C	31)	A	32)	C	33)	C	34)	C	35)	B	36)	C
37)	B	38)	B	39)	B	40)	A	41)	A	42)	A	43)	C	44)	A	45)	C

General Aptitude by Avinash Sir

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Simple & Compound Interest

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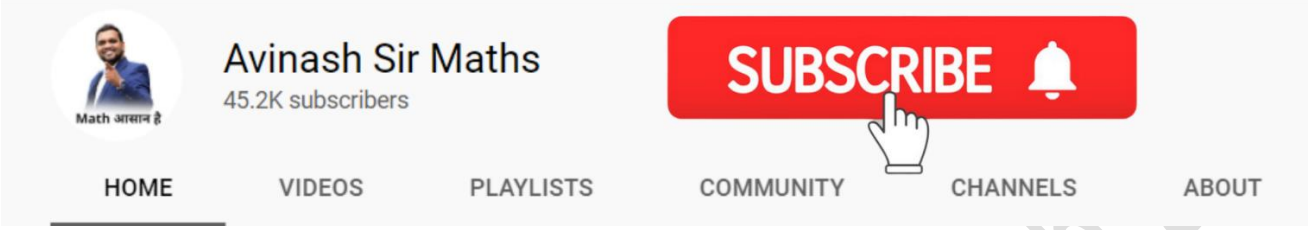

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