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**VIII STD** 

## SLIP TEST -1

## **GOVERNMENT HIGHER SECONDARY SCHOOL -BARUR**

TIME: 30 MINS

#### LIFE MATHEMATICS

MARKS: 30

2/2	Fill in t	the blanks (10X1=10)
	1. 2	If 30% of X is 150, then X is
	2.	2 minutes is% to an nour.
	J.	If $X \approx 0$ if $X = 25$ , then $X = \_$
	4.	in a school of 1400 students, there are 420 girls. The percentage of boys in the
	-	
	Э. С	0.5252 IS% .
	0.	Loss of gain percentage is always calculated on the
	7.	A mobile phone is sold for 16400 at a gain of 20%. The cost price of the mobile
	Q	An article is sold for $\mathbf{F}$ 555 at a loss of $7^{1}$ %. The cost price of the article is
	0.	The marked price of a mixer grinder is $\overline{\Xi}4500$ is cold for $\overline{\Xi}4140$ after discount. The
	9.	rate of discount is
	10	The total hill amount of a shirt costing ₹575 and a T-shirt costing ₹325 with GST of $1$
	10	% is
I	Say Tr	
	3 <b>uy</b> 1.	r = r + r
	1.	Depreciation value is calculated by the formula $P\left(1-\frac{1}{100}\right)^{\prime\prime}$
	2.	If the present population of a city is P and it increases at the rate of r% p.a, then the
		population n years ago would be $P\left(1+\frac{r}{r}\right)^n$
	2	The present value of a machine is $\mp 16000$ it depreciates at $25\%$ n a lt/s worth after
	5.	The present value of a machine is \$10800. It depreciates at 25% p.a. It's worth after 2 years is #04E0
	4	Z years is $\sqrt{9430}$ . The time taken for $\mp 1000$ to become $\mp 1221$ at $20\%$ is a compounded annually is 2
	4.	The time taken for \$1000 to become \$1551 at 20% p.a compounded annuary is 5
	5	The compound interest on ₹16000 for 9 months at 20% n.a. compounded quarterly
	5.	ic ₹7572
,	Δnswe	r the following 5X2=10
	1	48 is 32% of what number?
	2	If selling an article for ₹820 causes 10% loss on the selling price, find its cost price.
	3	The value of a motor cycle 2 years ago was ₹70000. It depreciates at the rate of 4 %
	5	p.a. Find its present value
	4	Find the compound interest on ₹3200 at 2.5 % p.a for 2 years, compounded
	DIO	annually
	5	, Cosmetics costing ₹650 with GST at 12% Calculate GST
v	Answe	r in detail
	1	Gopi sold a laptop at 12% gain. If it had been sold for ₹1200 more, the gain would

Send Your Questions & Answer Keys to our email id - padasalai.net@gmail.com

By

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**SLIP TEST -2** 

VIII STD

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**GOVERNMENT HIGHER SECONDARY SCHOOL -BARUR** LIFE MATHEMATICS

TIME: 30 MINS

MARKS: 30

8x1=8

14x1=14

### Fill in the blanks

- The compound interest on ₹5000 at 12% p.a for 2 years compounded annually is \_\_\_\_\_\_
- 2. The compound interest on ₹8000 at 10% p.a for 1 year, compounded half yearly is
- 3. The annual rate of growth in population of a town is 10%. If its present population is 26620, the population 3 years ago was
- 4. The amount if the compound interest is calculated quarterly is found using the formula \_\_\_\_\_
- 5. The difference between the S.I and C.I for 2 years for a principal of ₹5000 at the rate of interest 8% p.a is

#### **Objective Type Questions**

- 1. 12% of 250 litres is the same as \_\_\_\_\_\_ of 150 litres. (a) 10% (b) 15% (c) 20% (d) 30%
- 2. 15% of 25% of 10000 =\_\_\_\_\_. (a) 375 b) 400 c) 425 d) 475
- When 60 is subtracted from 60% of a number to give 60, the number is 3. (a) 60 (b) 100 (c) 150 (d) 200
- 4. If 48% of 48 = 64% of x , then x =? (a) 64 (b) 56 (c) 42 (d) 36
  - A fruit vendor sells fruits for ₹200 gaining ₹40. His gain percentage is
- 5. (a) 20% (b) 22% (c) 25% (d)  $16\frac{2}{3}$ %
- By selling a flower pot for ₹528, a woman gains 20%. At what price should she sell it to gain 25%? 6. (a) ₹500 (b) ₹550 (c) ₹553 (d) ₹573

A man buys an article for ₹150 and makes overhead expenses which are 12% of the cost price. At 7. what price must he sell it to gain 5%? (a) ₹180 (b) ₹168 (c) ₹176.40 (d) ₹85

- The price of a hat is ₹210. What is the marked price of the hat if it is bought at 16% discount? 8. (a) ₹243 (b) ₹176 (c) ₹230 (d) ₹250
- The single discount which is equivalent to two successive discount of 20% and 25% is 9. (a) 40% (b) 45% (c) 5% (d) 22.5%
- 10. The number of conversion periods, if the interest on a principal is compounded every two months is . (a) 2 (b) 4 (c) 6 (d) 12
- <sup>11.</sup> The time taken for ₹4400 to become ₹4851 at 10% , compounded half yearly is \_\_\_\_ (a) 6 months (b) 1 year (c) 1 1 2 years (d) 2 years
- 12. The cost of a machine is ₹18000 and it depreciates at 16 2 3 % annually. Its value after 2 years wills be \_\_\_\_\_. (a) ₹12000 (b) ₹12500 (c) ₹15000 (d) ₹16500
- 13. The sum which amounts to ₹2662 at 10% p.a in 3 years compounded yearly is (a) ₹2000 (b) ₹1800 (c) ₹1500 (d) ₹2500
- <sup>14.</sup> The difference between simple and compound interest on a certain sum of money for 2 years at 2% p.a is ₹1. The sum of money is \_\_\_\_\_. (a) ₹2000 (b) ₹1500 (c) ₹3000 (d) ₹2500

#### Answer the following Ш

- 4X2=8
- Find the compound interest for  $2\frac{1}{2}$  years on ₹4000 at 10 % p.a if the interest is compounded 1 vearly.
- A principal becomes ₹2028 in 2 years at 4% p.a compound interest. Find the Principal. 2
- Air Conditioner costing ₹28500 with GST at 28% Calculate GST 3
- 4 Find the difference in C.I and S.I for P = ₹5000, r = 4% p.a, n = 2 years.

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