

**COMPETITIVE ENTRANCE EXAMINATION INTO HTTC BAMBILI**  
**CYCLE: 2<sup>ND</sup> CYCL;E**  
**LEVEL: 1<sup>ST</sup> YEAR**  
**OPTION: ACCOUNTANCY**

**SESSION: 2013**  
**DURATION: 3 HOURS**

**Instruction**

- In your answer booklet, write only the letter of the chosen against the question number.
- This question paper must be submitted together with the answer booklet.
- Each question carries one (1) mark.

**Part 1: Accountancy**

The summarized balances sheets of companies A and B are presented as follows;

Assets	Co.A	Co.B	Liabilities	Co.A	Co.B
Deffered charges	400 000	800 000	Capital (1)	8 000 000	4 000 000
Equipment	14 400 000	5 200 000	Reserves	5 200 000	2 400 000
Financial fixed assets	800 000	1 600 000	Debts	5 600 000	3 760 000
Other Assets	3 200 000	2 560 000			
	18 800 000	10 160 000			10 160 000

Co.A has 800 shares of which 640 are fully paid up and 160 are paid up at 75%, while Co.B has 200 fully paid up shares.

- Over values on equipment are 1,200,000F and 800,000F respectively while under value on other assets are 480,000F and 160,000F respectively.
1. What is the accounting mathematic value of partially realized shares of company A?  
 A) 14 000f B) 14 895F C) 16 000F D) 13 500F
  2. What is the accounting mathematic value of a share of company B?  
 A) 20 000F B) 28 000F C) 37 916F D) 42 000F
  3. Calculate the intrinsic mathematic value of fully realized shares of company A  
 A) 31 200f B) 32 000f C) 37 395f D) 18 500f
  4. Determine the intrinsic mathematic value of a share of company B  
 A) 31 200f B) 32 000 C) 37 916f D) 50 800f

During the year 2012, MEDION enterprise realized a turnover including tax of 17,887,500F. total expenses incurred were 12 600 000F of which 3,600,000F was fixed charges.

5. Determine the BEP of this enterprise for the year  
 A) 9 000 000 B) 11 400 000 C) 6 000 000 D) 7 245 570
6. What was the date at which the BEP was realized knowing that sales were regularly realized  
 A) 220days B) 216days C) 3<sup>rd</sup> August 2012 D) 7<sup>th</sup> August 2012
7. Calculate the safety margin in number of months of sales for the year  
 A) 4.8months B) 7.2months C) 8months D) 4 months
8. What would be the operating result if the turnover is increased by 10%?  
 A) 2 640 000F B) 3 000 000F C) 3 900 000F D) 1 500 000F

The operating leverage of an enterprise is 3.3; the annual turnover is 16,500,000 and the operating result is 22,000,000F

9. Determine the amount of contribution margin of the enterprise  
 A) 2 200 000F B) 5 500 000F C) 3 300 000F D) 2 200 000F
10. Say what amount of fixed charges is;  
 A) 9 900 000F B) 6 600 000F C) 4 400 000F D) 2 200 000F

A PLC with a capital of 6,000 shares of 10,000F increases its capital by issuing 5 new shares for 12 subscription rights are 14,000F and distributed 1 free for 6 attribution rights. Knowing that the stock exchange value is 25,000F and the cash are realized at the legal minimum;

11. Determine the maximum issue premium per share  
A) 40 000F      B) 10 000F      C) 14 000F      D) 15 000F
12. What is the subscription right per share issued in cash  
A) 3 3235F      B) 3 280F      C) 2 353F      D) 4 412F
13. Calculate the cost of the operation to a shareholder on that day who had 180 shares and realized 140 new shares among which were 60 free shares  
A) 1 731 640F      B) 1 120 000      C) 1 147 360F      D) 1 131 640F
14. Supposed that the operation was successive with the issue of cash shares preceding the distribution of free shares. Calculate the right attributed to each free share  
A) 2 291F      B) 214.29F      C) 3 246F      D) 4 167F
15. Management's attitudes and general philosophy about internal control are capture in the:  
A) Control Activities      B) Control Environment      C) Monitoring of activities      D) Information and Communication
16. The proper application of management by exception  
a. Requires managers to investigate all variances;  
b. Suggests that managers should generally investigate only those variances that are material in amount and outside a normal acceptable range.  
c. Prohibits the use of materiality thresholds to trigger investigations of variances;  
d. Is effective only for direct material and labour variances.

The following information concerns debentures issued in 2011. The nominal value is 35,000F; the reimbursement value is 42,000F; first theoretical amortization is 4,541,730; the forth theoretical amortization is 5,908,684F and annuities are said to be constant.

17. Reckon the nominal rate of the debenture borrowing;  
A) 9.17%      B) 11%      C) 12%      D) 13%
18. Deduce the number of annuities of reimbursement  
A) 7 annuities      B) 6 annuities      C) 5 annuities      D) none of the above
19. Calculate the number of debentures  
A) 1,200 debentures      B) 1000 debentures      C) 800 debentures      D) 500 debentures

A certain company recorded its quarterly sales programming of product p in 2011 and 2012 in quantities as follows,

	1st quater	2 <sup>nd</sup> quarter	3rd quarter	4th quarter
2011	342	345	270	355
2012	332	475	532	380

20. Determine the equation of the adjustment line using the least square method.  
A)  $21,58x + 279.265$       B)  $7,58x + 342.265$       C)  $21,58x + 342.265$       D)  $7,58x + 279.265$
21. Forecast the sales of the second quarter of 2013 using the equation determine above  
A) 418      B) 558      C) 495      D) 355