COMPETITIVE ENTRANCE EXAMINATION INTO HTTTC BAMBILI

<u>CYCLE</u>: 1ST CYCLE

<u>LEVEL</u>: 1ST YEAR <u>OPTION</u>: MANAGEMENT

Session: 2014

DURATION: 3hrs

23 – With the help of the data in question 21, determine the Endorsement Commission.

Avec l'aide des données en question 21, déterminer la commission d'entérinement.

a. 520F.CFA b. 524F.CFA c. 525F.CFA d. 526F.CFA

24 – Using the data in question 21, determine the AGIO.

En utilisant les données en question 21, déterminer la AGIO.

a. 7.525F.CFA b. 7.255F.CFA c. 8.952F.CFA d. 8.925F.CFA

25 – Using the data in question 21, determine the real (actual) discount rate (r').

En utilisant les données en question 21, déterminer le reel (réelle) taux d'actualisation (r').

a. 10.0% b. 10.1% 10.2% d. 10.3%

INSTRUCTIONS

In your answer booklet, write only the letter of the answer chosen against the question number. This question paper must be submitted together with the answer booklet.

Each question carries one (1) mark

PART I: MANAGEMENT

1. A principle which depicts the number of employees that can be handled effectively by single manager:

a) Scalar chain,

b) Span of control,

c) Specialization,

d) Hierarchy,

2. Strategic management is all about gaining and maintaining:

a) Low cost,

b) Comparative advantage,

<u>15</u>

www.touslesconcours.info

Annales brainprepa

- c) High profit,
- d) Earning,
- 3. Operational planning most commonly addresses:
 - a) Long term investment decisions related to production equipment,
 - b) Measurement of growth in market share,
 - c) The current quarter's production requirements,
 - d) Each of the above planning issues
- 4. Which of the following sequences of steps in the decision –making process is correct?
 - a) Define the problem, identify objectives, identify and analyze available options, select the best options,
 - b) Identify objectives, define the problem, identify and analyze available options, select the best option,
 - c) Select the best option, identify objectives, define the problem, identify and analyze available options,
 - d) Define the problem, identify and analyze available options, select the best options,
- 5. The statement of the organization that answers the question "What do we want to become?"

16

- a) Mission,
- b) Vision,
- c) Objective,
- d) Future
- 6. The state organ responsible for the adoption of the budget is:
 - a) Parliament
 - b) Senate
 - c) Executive

- d) Judiciary
- 7. Which of the following is not one of the internal forces that shape corporate governance?
 - a) Compensation and incentive systems,
 - b) Corporate boards of directors,
 - c) Corporate code of conduct,
 - d) Generally accepted accounting principles,
- 8. Management's attitudes and general philosophy about internal control are captured in the:
 - a) Control activities,
 - b) Control environment,
 - c) Monitoring of activities,
 - d) Information and communications processes,
- 9. One of the frequent quoted market failure is:
 - a) Automatic adjustment,
 - b) Public goods,
 - c) Free rider,
 - d) Compensation,
- 10. A work stoppage in which an employer prevents employees from working is:

17

- a) Disreissal,
- b) Lookout,
- c) Picketing
- d) Suspension
- 11. The concept entails achieving a stated objective:
 - a) Efficiency,
 - b) Effectiveness,
 - c) MBO

- d) Goal orientation
- 12. When a company incurs very exceptionally high profits as compared to industry:
 - a) Under capitalization,
 - b) Unfair competition,
 - c) Over capitalization,
 - d) Over performance
- 13. The value that occurs most frequently is:
 - a) Mode,
 - b) Mean,
 - c) Median,
 - d) Central tendency,
- 14. The three forces that typically contribute to fraudulent behavior include all but which of the following?
 - a) Incentive,
 - b) Psychological deficiencies,
 - c) Attitudes,
 - d) Opportunities
- 15. The managerial function consisting of determining who does what and who report to whom:
 - a) Planning,
 - b) Organizing,
 - c) Staffing
 - d) Controlling
- 16. SWOT is an acronym for:
 - a) Strategic, Workloads, Options, Tactics,
 - b) Strategic, Weaknesses, Opportunities, Tactics,

<u>18</u>

- c) Strategic, Weakness, Opportunities, Toughness,
- d) Strengths, Weakness, Weaknesses, Opportunities, Threats
- 17. A factor which would strongly influence a business person to adopt a computer is it?
 - a) Speed,
 - b) Accuracy,
 - c) Reliability,
 - d) All of the above,
- 18. Which of the following is associated with Douglas McGregor's Theory X?
 - a) Traditional views,
 - b) Pessimistic views,
 - c) Stick approach,
 - d) Carrot approach
- 19. An organization's response to ethics violations should include:
 - a) Timely,
 - b) Sanctions that are fair,
 - c) A thorough investigation,
 - d) All of the above,
- 20. Which of the following costs is likely to be manufacturing cost?

19

- a) Depreciation of production machinery,
- b) Production supervisor's salary,
- c) Depreciation of sales office computer equipment,
- d) Purchase price of wood used to produce tables,
- 21. The focal point of financial management in a firm is:
 - a) Automatic adjustment,
 - b) The minimization of taxes to be paid,
 - c) The creation of value for shareholders,

- d) The profits earned by the firm,
- 22. Cost of goods manufactured equals:
 - a) Beginning direct managerial inventory plus all production cost incurred less ending direct material inventory,
 - b) Beginning direct managerial inventory plus all production cost incurred less ending direct process inventory,
 - c) Beginning direct managerial inventory plus direct material used plus direct labor used plus manufacturing overhead used,
 - d) Beginning direct managerial inventory plus direct material used plus direct labor used plus manufacturing overhead used, plus beginning finished goods inventory,
- 23. Screening decisions involves:
 - a) Choosing between alternatives,
 - b) Identifying objectives,
 - c) Defining a problem,
 - d) Deciding whether an investment meets a predetermined criterion,
- 24. Preference decisions involves:
 - a) Choosing between alternatives,
 - b) Defining a problem,
 - c) Deciding whether an investment meets a predetermined criterion,
 - d) Identifying objectives,
- 25. Budgets are:
 - a) Future oriented,
 - b) For managers only,
 - c) Required by GAAP,
 - d) Typically not used by small business,

PART II: BUSINESS MATHEMATICS

20

1. The geometric means of 2,1,5,1,1,3,4,3,1,1,5,18, is

www.touslesconcours.info

| a) | 2.376 | b) 2.158 | c) 1.545 | d) impossible to calculate | | | | |
|----|--|-------------|--------------------|-----------------------------|--|--|--|--|
| 2. | The median of 18,5,1,1,3,4,3,1,1,5,2,1 is: | | | | | | | |
| a) | 3.5 b) 7 | c) 3 d) 2.5 | | | | | | |
| 3. | The score 5, 3, 16, x, has a mean of 20. X=? | | | | | | | |
| a) | 80 b) 6 | c) 11 | d) 5 | | | | | |
| 4. | The range of a correlation coefficient is: | | | | | | | |
| a) | $0 \le r \le 1$ | b) -1 | $\leq r \leq 1$ c) | -1 < r < 1 d) $-1 < r < -1$ | | | | |
| 5. | The 2 nd and 5 th amortizations of a constant annuity ordinary loan are 23.540f and 26.4693frs | | | | | | | |
| | respectively. The interest rate of the loan is: | | | | | | | |
| a) | 0.03 | b) 0.04 | c) 0.06 | d) 0.05 | | | | |
| 6. | The difference between the simple and compound interest for 10.000f invested at 5% p.a for | | | | | | | |
| | 2years. The N.P.V | | | | | | | |
| a) | 1,000 | b) 1,025 | c) 10,025 | d) 25 | | | | |
| 7. | Two bills are equivalent at a date when: | | | | | | | |
| a) | Their present values are equal at different rates on that date b) their future values after n | | | | | | | |
| | years at common rate are equal c) their present values at common rate are equal on | | | | | | | |
| | that date. D) the future values are equal at different rates on that date. | | | | | | | |
| 8. | Abena invested in a project with an initial capital of 20.000frs and had a single inflow of | | | | | | | |
| | 25.000frs after 4years. The N.P.V at 10% is: | | | | | | | |
| a) | -2,925f | b) 5,000f | c) 17,075f | d) 3,415f | | | | |

9. Ngwa with an initial outlay of 100.000frs has cash flow as follows:

| Years | 1 | 2 | 3 | 4 |
|--------|--------|--------|--------|---------|
| Inflow | 15,000 | 65,000 | 40,000 | 10,000f |

<u>21</u>

The payback period in years is :

a) 4 b) 3.5 c) 2.5 d) 3

- 10. A wholesaler wishes to make a profit of 30% on the net selling price on his product after allowing a 25% trade discount, 5% cash discount. The cost to the wholesaler of the product is:
- a) 37,406.25f b) 53,437.5f C) 56,250F 52,500F
- 11. A trader allows on the list price of his goods a trade discount of 20% and cash discount of 5%. The ratio cash price to list price is:
- a) 1:5 b) 1:20 c) 19:25 d) 19:20
- 12. John, peter and Paul are in a partnership contributing, 2m, 4m, and 5m respectively. If at the end of the year profit of 2.2 million is realized and shared in proportion of their capital.Paul's share of profit is:
- a) 800.000f b) 400.000f c) 11.000.000f d) 1.000.0000f
- 13. Mrs. Ngwa intends to save a lump sum in bank that pays 12.5% compounded yearly, so that she gets 600.000f in 4 years. How much should she deposit now?
- a) 500.000 b) 533.333 c) 480.000 d) 374.577
- 14. The 6th term of an AP with 1st term 3 is 8. The common difference of the AP is:
- a) 4 b) 5 c) 3 d) 2
- 15. In a geometric progression, the 4 capital is 32.000f and the 6 capital 128.000f. the common ratio is:
- a) 2 b) 15 c) 4 d) 3
- 16. The unknown value in the proportion: 2:x = 3:9 is
- a) 5 b) 6 c) 7 d) 8
- 17. Peter earned 8% profits in investment of 1.000f and in the nest deal he has a lost of 8% on the earned amount. The original amount now is:
- a) 993.6 b) 920 c) 1,004 d) 2,000
- 18. A correlation coefficient of 0.75. which of the following reflects the best interpretation
- a) Weak negative b) strong negative c) positive d) strong positive
- 19. How long will it take a capital invested at 5% p.a compound interest to double?
- a) 25 years b) 14 years c) 10 years d) 26 years
- 20. A sum of 25.000f continuously compounded at 6% p.a had acquired a value of

31,455,6395f. the investment duration is

- a) 6years b) 10years c) 5years d) 4years
- 21. 300.000f invested for 8 years is now 4.964, 987f. the annual compounding rate is:

<u>22</u>

- a) 6% b) 7% c) 6.5% d) 6.25%
- 22. A businessman advertised a price decrease of 25% on an out of fashion article. If the new price is 6600f, the original price is:
- a) 800f b) 7,200f c) 8,500f d) 8,800f
- 23. The production of beans in 2013 is 1 million tons. If the production increases by 5% each year. The production by the end of 2014 should be:
- a) 1,050,000tons b) 1,500,000tons c) 950,000tonsd) 1,050,000tons
- 24. The 1st term of a geometric progression is ³/₄ and the 4th term is 6. The 12th terms is
- a) 1,536 b) 2,048 c) 3,072 d) 4,006
- 25. Tano borrowed the sum of 3million repayable by constant amortization during 5years. What is the value of the 4th annuity if the interest rate is 4.25%

23

a) 727,500f b) 702,000f c) 651,000f d) 576,500f