BUSINESS MANAGEMENT (RISK) 202

Duration 2 Hours

70 Marks

EXAMINERS :

FIRST: SECOND: MRS A MUTEZO MS CJ DE SWARDT

Use of a non-programmable pocket calculator permissible.

This paper consists of 14 pages plus instructions for completion of a mark reading shear.

This paper consists on TWO sections namely, A and B.

This paper adds up to a total of 70 marks. This mark will be adjusted to a percentage mark

Section A is compulsory. If comists of thirty multiple choice questions that each counts I mark. The arrivers to this section must be completed on the mark reading sheet provided. Indicate the unique number (471356) on the mark reading sheet.

Section B consists of FOUR discussion/calculation type quantions. You must answer ALL FOUR of these questions. Each question course 10 marks. Section B must be answered in the designated areas on pages 10 - 12.

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Please note:

- This is a fill-in examination paper and there is no need for any examination scripts. Students must hand over the examination paper to the invigilator before leaving the examination hall. Students must answer the questions in the spaces which have been provided in the examination paper.
- 2 Pages for rough work have been provided (see pages 13 to 14). No rough work will be marked.

- 2

MNK203-R Oct/Nov 2006

SECTION A: MULTIPLE CHOICE QUESTIONS

Indicate the correct alternative in respect of each alternative on the mark-reading sheet.

1 A pack of cards consists of four types of cards - diamonds, hearts, spades and clubs. Each pack contains 13 diamonds, 13 hearts, 13 spades and 13 clubs. What is the probability that a spade will be drawn?

1 0.15

2 0.077

3 0.25

4 0.01

Consider the following set of share prices and answer questions 2 to 5. Use 2 decimals in your calculations and answers.

PRICE	PROBABILITY %
R22 00	2.5
R25.00	25
R20.00	25
R26.00	25

PRICE	PROBABILITY %
R28.00	25
R33 00	25
R21.00	25
R19.00	25

2. The expected value of share A is

1 R23 25

2 R23.10

3 Greater than that of share B

4 R93.00

3. The variance of share A is

1 R22,74

2) R5.69

3 R31.19

4 R2 39

Added Fry

2.75

- 4. The standard deviation of share B
- 1 R124 74
- 2 R31.19
- 3 R3 97
- 4 R5 58
- 5. Indicate the incorrect statement
- l Standard deviation measures the variation of a set of outcomes
- 2 The coefficient of variation for Share A is lower than that of share B
- The expected value and the mean of a set of outcomes will always be the same value

3

- 4 An investment in Share B is more risky than an investment in Share A
- 6. Indicate the correct statement.
- 1 The degree of risk is calculated as the frequency with which an event occurs
- 2 Risk implies the presence of uncertainty.
- 3 Risk is the deviation of actual from expected results.
- 4 There may be certainty about occurrence of an event and its outcome
- 7. Indicate the correct statement.
- Speculative risk deals only with those risks that have a loss or no-loss outcome.
- 2 Core business risks include activities, decisions and events that have an indirect impact on the operating profit of the organisation.
- The major subcategory of incidental risks is financial risk.
 - 4 Unsystematic risk affects an individual enterprise and is related to the rest of the economy
 - 8. Which of the following statements is not a shortcoming of the traditional approach to risk management?
- Traditional risk management ineffectively integrates the effects of operating managers with the activities of risk managers.
 - 2 Risk management has a limited view of complex problems.
 - 3 Fragmented risk management responsibility.
 - 4 Limited focus on discrete risks
 - 9 In assessing risk it is important to consider
- 1 determining the root causes of the identified risk.
- 2 setting time horizons for the development of financial statements.
- identifying and communicating the top risks currently faced by the enterprise
- 4 identifying the risk attached to intangible assets crucial to value creation,

- 10. A devastating hurricane in an area where a manufacturing plant is located can be classified as
- 1 fundamental risk
- 2 particular risk
- 3 financial risk.
- 4 resource risk
- 11 Motor car accidents are an example of which level of uncertainty?
- 1 Subjective uncertainty
- 2 Objective uncertainty
- 3 Uncertainty
- 4 None of the above
- 12 Indicate the correct statement.
- 1 Car hijacking can be regarded as type 1 losses
- 2 Maximum possible loss refers to the loss that could arise from a single event given that all risk control measures operate as expected.
- 3 An ignorant security guard in a supermarket can be regarded as a peril
- 4 Short-term flactuations in sales of an organisation can be classified as incidental risk.
- 13 Various factors contribute to the successful implementation of Enterprise Risk Management (ERM), including inter alia:
- a Treating ERM as a stand alone process.
- b Strong and visible support from senior management.
- c Separating the risk-taking activities from performance evaluation
- d Proceeding incrementally and leveraging early 'wins'

Choose the correct combination

- 1/a
- 2 a,
- 3 c,c
- 4 b.
- 14. Indicate the correct statement.
- Individual risks and interdependencies can better be addressed by an integrated team.
- 2 Traditional risk management is consistent and generates reliable reports
- 3 The only objective of risk reporting is to increase risk transparency.
- 4 Business risk management adopts a portfolio view of all risks.

- 15 In terms of the King II report, businesses should report on their
- a transformation policy
- b environmental management practices
- The risk management policy.
- d remuneration packages of directors.

Choose the correct combination

- 2 b,c,d
- 3 a,b,c,d
- 4 a,c,d
- 16 Indicate the correct statement
- Hedging results in higher profit margins.
- Interest collars protect both the lender and the borrower
- 3 A short position entails the buying and keeping of an asset.
- 4 The buyer of an option commits himself/herself to buy or sell the specified asset on the specified date.
- 17. Which one of the following is considered a traditional risk control measure?
- Failure mode analysis.
- Safety management programmes
- 3 Hazard and operational studies
 - 4 Failure tree analysis.
 - 18. Enterprises can use the following methods to identify risks that should be included in their framework
 - Internal interviewing
 - External sources
 - Tools, diagnostics and processes
- Production flowcharts

Choose the correct combination

- ~ 1 a,b,c,d
- 2 a,b,c
- 3 b, c, d
- 4 a, c, d

- 19 A company leasing instead of owning a fleet of cars is an example of...
- 1 risk avoidance.
- 2 risk reduction.
- 3 risk transfer
- 4 risk elimination
- 20 Indicate the incorrect statement
- Hedging limits risks and therefore losses that may arise.
- 2 A short position involves buying and holding an asset.
- 3 Futures are traded on a formal exchange.
 - 4 An interest rate swap is used to hedge or modify an existing asset or liability
- 21. The following list of expenses was taken from the Income Statement of Company X:

Depreciation on security equipment	R 10 000
Excess paid on insurance claim	10 000
Insurance premiums	13 000
Salaries: Sales staff	11 000
Wages: Security guard	123 000
Subscription: Cover magazine	50 000
Conference fees: International Risk	120
Management Conference	12 000
Maintenance cost : Electric fence	
Stationery	3 000
Telephone	15 000
Consultant fees : AA Risk Consultants	60 000
Consultants	24 000

Expenses attributed to risk control amounts to

- 1 R 99 120
- 2 R 89 120
- 3 R112 120
- 4 R 123 120
 - 22. Which one of the following fire losses would you regard as the most serious?
- R5m which occurs every ten years.
- 2 R3m which occurs every seven years
- R1m which occurs every three years
- 4 R9m which occurs every sixteen years

23. A six-month put option is written on a commodity at a strike price of R85. The premium of the option is R0.50. The market price of the commodity at the time the option was written was R84. Three months after the option was written the market price of the commodity has dropped to R83.

Based on the aforementioned information the buyer of the option will

- 1 walk away from the option and lose the premium of R0 50.
- 2 walk away from the option and buy the commodity at a lower price in the market
- 3 exercise the option and make a profit of R1 50
- 4 exercise the option and make a profit of R2 50
- 24 Indicate the incorrect statement Alternative Risk Transfer (ART) techniques involve:
- 1 the transfer of risk to capital markets
- 2 giving investment banks a new field of activities
- 3 powering the trend towards global operations
 - 4 providing insurance companies with an extension of their capacity base
- 25. Indicate the correct statement
- Hurdle rates incorporate the riskiness of the business activities into the measurement of the expected return.
- 2 "At risk" frameworks quantify risks on the basis of the probability distributions of returns observed in historical data.
 - Risk-adjusted performance measures provide a means of evaluating return, risk and capital trade-offs and comparing performance across different units or activities.
 - 4 When selling interest rate futures one will benefit from a rise in the interest rates.
 - 26. Which of the following are responsibilities of the chief risk officer (CRO)/risk management committee?
 - a Track changes in the business context and risk environment
 - b Measure the performance of the implemented risk management strategies
 - c Back-test models and assumptions, and make appropriate adjustments
 - d Determine how often risk models and analysis should be updated.

Choose the correct combination

- I a,d
- 2 b.c.d
- 3 a,b,c
- 4 a,b,c,d

27. The benefits of including a monitoring stage in the risk management process include ...

8

- a accumulating evidence to support assumptions and results of the analysis
- b increasing the cost associated with improper or redundant risk control
- c identifying new or changing risks.
- d improving the risk management process as a whole

Choose the correct combination

- l a,b,c,d
- 2 a,b,c
- 3 a,b,d
- 4 a,c
- 28. Monitoring processes are generally applied to accomplish the following:
- a determining dhanges in an enterprise's risk profile
- b identifying emerging risks
 - c evaluating risk management performance
- d evaluating the adequacy of specific measures, policies and procedures

Choose the correct combination

- l abc
- 2 b,c,d
- 3 a,c,d

- 4 a,b,c,d
- 29. The following are all enablers of the continuous improvement philosophy except:
- I benchmarking of performance to identify best practices.
- 2 interactive communications and sharing of knowledge.
- integrating the enterprise's risk language and risk management process into its employee learning programme.
- track changes in the business context and risk environment.
- 30. Indicate the correct statement
- Aggregation methods provide qualitative means to transfer, avoid and securitize risk
- 2 Aggregation is a way to summarise an extremely simple set of rules.
- 3. Risks add up only when evaluated individually and in total.
- 4 Aggregation of multiple risks improve reporting and capital allocation.

MNK203-R Oct/Nov 2006

1 Briefly explain what an interest rate swap is and list any four purpinterest rate swaps	ooses (uses) of
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1.2 Briefly explain the difference between interest rate caps and collars. Pate Lops - how has been for the cate for he - I yes and agrees of pre-college appearance for last that seres well the

Rate Collact. . the rate cap + rate floor are placed account a commercial from rate - boriouser is in protected against rays going to high while levider spectached against laks young too low