



FACULTY/COLLEGE	College of Business and Economics
SCHOOL	Johannesburg Business School
DEPARTMENT	Transport and Supply Chain
CAMPUS(ES)	APB
MODULE NAME	Storage and Distribution
MODULE CODE	SDM02B2/SDM2B01
SEMESTER	Second
ASSESSMENT OPPORTUNITY, MONTH AND YEAR	Final Summative Assessment Opportunity November 2019

ASSESSMENT DATE	12 November 2019	SESSION	12H30 – 15H30
ASSESSOR(S)	Mr H van den Berg		
MODERATOR(S)	Mr D Raza (Internal)		
DURATION	3 hours	TOTAL MARKS	120

NUMBER OF PAGES OF QUESTION PAPER (Including cover page)	8
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INFORMATION/INSTRUCTIONS:

- This is a closed-book assessment.
- Answer all the questions.
- **Answer question 1 from SECTION A at the back of your answer book.**
- **Answer question 2 and question 3 from SECTION A on the question paper, hand in the question paper with the answer book.**
- Read the questions carefully and answer only what is required.
- Number your answers clearly and correctly as per the question paper.
- Write neatly and legibly on both sides of the paper in the answer book, starting on the first page.

SECTION A

[38 MARKS]

Question 1

[16]

Multiple Choices

1. _____ means anything which may cause injury or damage to persons or property.
 - a. Heat
 - b. Cold
 - c. Danger
 - d. Hazard
 - e. Explosive
2. _____ means a source or exposure to danger.
 - a. Heat
 - b. Cold
 - c. Danger
 - d. Hazard
 - e. Explosive
3. _____ means free from illness or injury attributable to occupational causes.
 - a. Healthy
 - b. Incident
 - c. Danger
 - d. Sickness
 - e. Explosive
4. _____ means a person designated under section 28.
 - a. Health and safety
 - b. Employer
 - c. Inspection
 - d. Local authority
 - e. Inspector
5. In the Occupational Health and Safety Act, a, b, c, d or e refers to – an agent, a contractor or a subcontractor for work, but without derogating from his status in his own right as an employer or a user.
 - a. Mandatary
 - b. Occupational health practitioner
 - c. Officer
 - d. Chief inspector
 - e. None of the above
6. _____ means a planned programme or periodic examination of employees by an occupational health practitioner.
 - a. Occupational health practitioner
 - b. Medical surveillance
 - c. Officer
 - d. Chief inspector
 - e. Local authority

7. _____ means the anticipation, recognition, evaluation and control of conditions arising in or from the workplace, which may cause illness or adverse health effects to persons.
- Occupational medicine
 - Occupational medical practitioner
 - Occupational hygiene
 - Only a and b
 - Only b and c
8. _____ means any biological entity which is capable of causing illness to persons.
- Occupational sickness
 - Diseases
 - Health and safety requirements
 - Occupational hygiene
 - Organism
9. _____ means used with reasonable care, and with due regard to any information, instruction or advice supplied by the designer, manufacturer, importer, seller or supplier.
- Occupational user
 - Premises
 - Properly used
 - Regulation
 - Standard user
10. _____ means practicable having regard to the cost of removing or mitigating that hazard or risk concerning the benefits deriving therefrom.
- Properly used
 - Standard user
 - Reasonably practicable
 - Regulations
 - Safe
11. The Advisory Council for Occupational Health and Safety shall consist of _____ members?
- 10
 - 15
 - 20
 - 25
 - 30
12. The Advisory Council for Occupational Health and Safety shall be appointed for a minimum of _____ years.
- 2
 - 3
 - 4
 - 5
 - 6
13. In the advisory Council for Occupational Health and Safety _____ member/s should know about occupational hygiene.
- 1
 - 2
 - 3
 - 4

e. 5

14. In the advisory Council for Occupational Health and Safety ____member/s should know about occupational safety.

- a. 5
- b. 4
- c. 3
- d. 2
- e. 1

15. In the advisory Council for Occupational Health and Safety ____person/s represent the interest of the employers.

- a. 2
- b. 4
- c. 6
- d. 8
- e. 10

16. In the advisory Council for Occupational Health and Safety ____person/s represent the trade unions or federations of trade unions.

- a. 3
- b. 4
- c. 5
- d. 6
- e. 7

Question 2

[10]

Re-arrange the steps of '*Simplified guidance on lifting*' in the correct sequence.

DO NOT write your answers on your answer sheet, answer this question in **APPENDIX A** on the exam paper.

Currently, the steps are not in the correct order, you need to identify which letter belongs with point 1, the start of the procedure and continue until the last step, point no 10.

For example;

11	12	13	14	15	16
k	p	m	s	x	t

- a. Keep the back as straight as possible
- b. Don't change your grip on the load as you move
- c. Face the load squarely
- d. Don't twist or lean sideways
- e. Keep your head up and look ahead
- f. Grip the load firmly and straighten the legs to lift the load
- g. Examine the load, is in an awkward shape? Does it have sharp edges?
- h. Keep the load close to your body as you carry it
- i. Bend the legs to get down to the load being lifted. Avoid stooping
- j. Never over-reach or twist the body when picking up or setting down a load.

Question 3**[12]**

Match column A with column B.

DO NOT write your answers on your answer sheet, answer this question in **APPENDIX B** on the exam paper

Each point in column A and column B has 6 matches in column B. For example, c = 13, 14, 15, 16, and 17.

a. ALWAYS	1. Travel forks leading with a bulky load obstructing your vision
	2. Keep your truck clean and wheels free from strings, plastic wrapping etc.
	3. Travel with forks/load above the recommended travel position
	4. Carry out a pre-shift check and report all faults
	5. Watch out for overhead obstructions, other mobile equipment and pedestrians
	6. Lift loads which exceed the truck's maximum rated capacity
b. NEVER	7. Drive over bridge plates or dock levellers until you have checked their capacity and security
	8. Look in the direction of travel 'before' and whilst travelling
	9. Park your truck where it will create an obstruction or hazard
	10. Operate all controls smoothly
	11. Pick up and transport loads correctly
	12. Allow anyone to walk under raised forks or load

SECTION B**[82 MARKS]****Question 1****[8x2=16]**

Identify and fully explain with your own practical and relevant examples the important points a person needs to consider when working in a warehouse or distributing centre.

Question 2**[8x2=16]**

The variety of factors affecting the handling of materials makes it very difficult to enumerate all the basic principles. Identify all the points that must be considered when examining any stores-handling problems and fully explain each of the points, write your own practical and relevant examples.

Question 3

[10x2=20]

You are the warehouse manager of BMW in Roslyn and you need to buy new mechanical handling equipment. Before you decide what type of equipment to buy, you need to first assess what type of materials this mechanical handling equipment is going to move around in the factory. Identify the problems associated with handling equipment and fully explain each of the problems with your own practical and relevant examples.

Question 4

[8x2=16]

Procedures are instructions and rules on how to work the functions in a warehouse. Identify any eight stores procedures which can be found in a typical warehouse rule book and fully explain each procedure with your own practical and relevant examples.

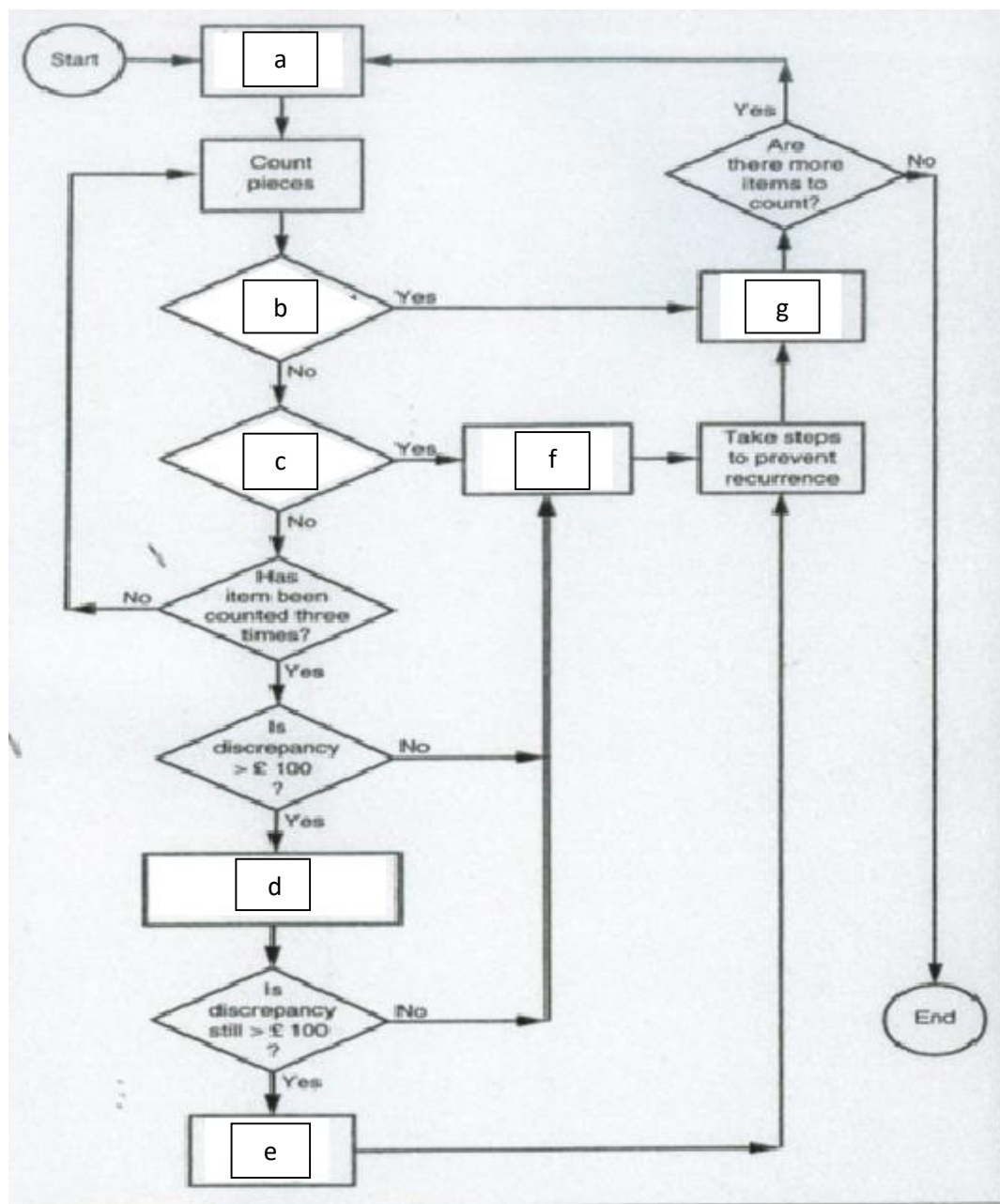
Question 5

[7x2=14]

One of the simplest and most widely used procedures for the movement of materials is an algorithm. Identify a to g in **Figure 1** cited below and, fully explain a to g with relevant and practical examples.

TOTAL: 120 MARKS

Figure 1



Surname: _____

Student No: _____

APPENDIX A**Question 2**

Re-arrange the steps of '*Simplified guidance on lifting*' in the correct sequence.

1	2	3	4	5	6	7	8	9	10

APPENDIX B**Question 3**

Match column A with column B.

ALWAYS =

NEVER =
