

SPECIALTY: LOGISTICS AND TRANSPORT MANAGEMENT (LTM)

PAPER : CASE STUDY

Nature of paper: WRITTEN

Credit Value: 12

Time Allowed: 06 Hours

Objectives of the paper: This paper is designed to examine what has happened, what is happening and what might happen in the Logistics and transport arena.

INSTRUCTIONS TO CANDIDATES

You are required to answer all the questions.

This Question Paper shall be evaluated on 100 marks from the following courses as shown below:

1. Introduction to Logistics and Supply Chain Management
2. Warehouse Management
3. ICT for Logistics
4. Inventory Management
5. Purchasing and Procurement management

SECTION	TITLE OF SECTION	PERCENTAGE PER SECTION	DURATION PER SECTION	TOTAL MARKS PER SECTION
A	Introduction to Logistics and Supply Chain Management	30%	1hour 48mins	30mks
B	Warehouse Management	20%	72 Mins	20mks
C	Inventory Management	20%	72 Mins	20mks
D	Purchasing and Procurement management	15%	54 Mins	15mks
E	ICT for Logistics	15%	54 Mins	15mks
TOTALS		100%	6Hours	100marks

PAPER : INTERNATIONAL FREIGHT FORWARDING

Credit Value: 06

Time Allowed: 3Hours 30 Minutes

Objectives of the paper: The student will be evaluated on the basis of their mastery of ancillary professions, freight forwarding, ship finance and introduction to customs operations.

INSTRUCTIONS TO CANDIDATES

This paper carries four sections.

You are required to answer all the questions.

SECTION	TITLE OF SECTION	%	DURATION PER SECTION	TOTAL MARKS PER SECTION
A	Freight Forwarding	35%	74mins	35mks
B	Ship Finance	25%	53mins	25mks
C	Introduction to Customs Operations and Procedures	25%	53mins	25mks
D	Ancillary Professions	15%	31mins	15mks
TOTALS		100%	3Hours 30 Minutes	100Marks

PAPER: INTERNATIONAL TRADE AND TRANSPORT

Nature of paper: WRITTEN

Credit Value: 06

Time Allowed: 3Hours 30 Minutes

Objectives of the paper: this paper shall examine how transport facilitates international trade as well as the importance of combining different modes of transport in international trade.

INSTRUCTIONS TO CANDIDATES

This paper carries four sections.

You are required to answer all the questions.

SECTION	TITLE OF SECTION	PERCENTAGE OF SECTION	DURATION OF SECTION	TOTAL MARKS PER SECTION
A	Shipping and International Trade	20%	48mins	20mks
B	Multimodal Transport	20%	48mins	20mks
C	Land and Inland Waterways Transport	20%	48mins	20mks
D	International Transport Management	15%	31mins	15mks
E	Air Transport	15%	31mins	15mks
F	Maritime Transport	10%	21mins	10mks
TOTALS		100%	3Hours 30 Minutes	100Marks

PAPER: TRANSPORT SAFETY AND ENVIRONMENTAL MANAGEMENT

Nature of paper: WRITTEN

Credit Value: 06

Time Allowed: 03 Hours

Objectives of the paper: The students will be evaluated on the basis of their mastery of transport safety and security in shipping as well environmental management.

INSTRUCTIONS TO CANDIDATES

This paper carries three sections.

You are required to answer all the questions.

SECTION	TITLE OF SECTION	PERCENTAGE OF SECTION	DURATION PER SECTION	TOTAL MARKS PER SECTION
A	Safety and Security in shipping	40%	72mins	40mks
B	The Movement of Dangerous Goods	30%	53mins	30mks
C	Environmental Management	30%	53mins	30mks
TOTALS		100%	03 Hours	100Marks

PAPER: MANAGEMENT

Nature of paper: WRITTEN

Credit Value:

10 Time

Allowed: 04

Hours

Objectives of

the paper:

INSTRUCTIONS TO CANDIDATES

This paper carries three sections.

You are required to answer all the questions.

SECTION	TITLE OF SECTION	PERCENTAGE OF SECTION	DURATION OF SECTION	TOTAL MARKS PER SECTION
A	Total Quality Management	20%	48mins	20mks
B	Port Management Operations	20%	48mins	20mks
C	Introduction to Oil and Gas Management	20%	48mins	20mks
D	Strategic Management	15%	36mins	15mks
E	Project Management	15%	36mins	15mks
F	Principles of Management	10%	24mins	10mks

PAPER: MANAGEMENT (common for LTM and PSM)

Credit Value: 06

Objective: To introduce students to the concepts and principles of management (project and strategic). They will also be taught main concepts in oil and gas management

Nature of the Exam: Written Format of Exam:

Paper	Option	Difference nt parts	Approximate duration	%	Mark	Concerned Courses
MANAGEMENT	LTM PSM	Section A: Essay questions for 20 marks each	2 Hours	60%	60	☐ Principles of Management ☐ Project Management ☐ Strategic Management
		Section B: Essay questions for 20 marks each	1 Hour	40%	40	☐ Total Quality Management ☐ Oil and Gas Management
			Total	100	100	☐

PAPER: TRANSPORT LAW

Nature of paper: WRITTEN

Credit Value: 08

Time allowed: 03 Hours 30Minutes

Objectives of the paper: The student will be evaluated on the basis of their mastery of the legal obligations of the carrier and shipper in the contract of carriage by all modes of transport.

INSTRUCTIONS TO CANDIDATES

This paper carries six sections.

You are required to answer all the questions.

SECTION	TITLE OF SECTION	PERCENTAGE OF SECTION	DURATION OF SECTION	TOTAL MARK PER SECTION
A	Transport/Carriage Law	25%	52mins	25mks
B	Marine Insurance	20%	42mins	20mks
C	International Commercial Law	20%	42mins	20mks
D	Ship Chartering	15%	32mins	20mks
E	Maritime law	15%	32mins	20mks
E	Maritime Administration	5%	10mins	10mks
TOTALS		100%	03 Hours 30Minutes	100Marks

SPECIALITY: INFORMATION SYSTEM MANAGEMENT (ISM)

PAPER: CASE STUDY

CREDIT VALUE: 14

DURATION: 6 HOURS

NATURE OF EXAM:

WRITTEN

OBJECTIVES:

Evaluate the candidate's abilities to:

- Analyze a problem from a business domain then proposes a solution in order to develop a relational database.
- Write algorithms to facilitate interactions between users and the Database.
- Explain/describe fundamental networking concepts
- Propose a network architecture
- Putting into place an addressing plan
- Choose the networking services to be deployed ☐ Putting into place a security policy.
- Use numeral system in the computer environment
- Have good legal knowledge in the field of software
- Master the basic concepts of networks, network installation, administration and administration of interconnected systems
- Demonstrate a good mastery of computer law

PAPER	OPTION	SECTIONS	DURATION	MARK	%
CASE STUDY	ISM	SECTION A: Analysis - Problem statement: (Practical business case data modelling) - Elaboration of the Conceptual Data Model (CDM) - Representation of Logical Data Model (LDM)	02Hrs	30	30%
		SECTION B: Database development - Definition/explain of terms: Database, normalization, indexing, RDMS, Data integrity. - Fundamental objectives of Database - SQL language: Creation of Database and tables CRUD operations	1H	25	25%
		SECTION C: Applied algorithm (C language)	2H	20	20%

		- Generalities on algorithm - Writing algorithms and applying in C: • Sequence • Branching • Loops • Arrays • Functions and procedures • Function or procedure call			
		SECTION D: Computer system and Networking • User access (hardware, software, numeral system, security of computer systems, ...) • the legal analysis of IT services • Network topology • Network architecture • Network cabling • Troubleshooting • Network equipment • Design and installation of simple network • Network services	1H	25	30%
TOTAL			06Hr s	100	100%

PAPER: NETWORK PRACTICE

CREDIT VALUE: 10

NATURE OF PAPER: PRACTICAL

DURATION: 4 HOURS

OBJECTIVE (S) OF PAPER:

Evaluate the level of mastering theoretical concepts on networking and practice it.

Specifically, by the end of this course (paper), in a given scenario, students should be able to:

- Ensure that when setting up their network connection, technical solutions for accessing services and servers are maintained in operational condition,
- Ensure the quality, continuity and security of software or hardware components, server systems and network interconnection elements, as well as data backup.

FORMAT OF EXAM:

PAPER	OPTION	SECTIONS	DURATIO N	MARK	%
NETWORK PRACTICE	ISM	A- Network fundamentals, infrastructure and maintenance	01h30	40	40%
		B- Practical	02H30	60	60%
TOTAL MARK			04H	100	100%

Structure of paper:

This paper should contain two main sections:

Section A: Network fundamentals, infrastructure and maintenance (40 marks)

This section includes the following parts

- Network fundamentals (Network technologies, LANs, IP address, OSI model, TCP/IP, subnetting, Process of network configuration) (20 marks)
- Infrastructure and maintenance (interconnection technologies, client/server architecture, control access, security, backup) (20 marks)

Section B: Practical (60 marks)

This section includes the following parts

- Configuration of a network (necessary hardware identification, cable crimping, setting up a network (in real or virtual environment) (20 marks)
- Network supervision (Using tools like, NAGIOS or CACTI) (10 marks)
- Basic Network Administration on Windows server or Linux. (30 marks)

PAPER: PRACTICE OF COMPUTER

CREDIT VALUE: 10

DURATION: 5 HOURS

NATURE OF EXAM:

PRACTICAL

OBJECTIVES:

Evaluate the practical skills of the candidates. The following aspects are to be considered to achieve this objective:

- Analyse a concrete problem and model its data using MERISE Conceptual Data Model (CDM).
- Draw the class diagram corresponding to the CDM.
- Elaboration of data dictionary
- Deduce the Logical Data Model (LDM) from the CDM that can be implemented into RDBMS like MySQL.
- Use LDM to implement the database into MySQL.
- Insert data into the database.
- Create an application bases on OOP approach to interface with the Database (Programming Language: Java or Visual Basic.net)
- Provide to that application that application insert, update and read functionalities to allow user manipulating data in the database.
- Test students' knowledge on Computer system maintenance and management

FORMAT OF EXAM:

EXAM PAPER	OPTION	SECTIONS	DURATION	MARK ALLOCATED	PERCENTAGE
PRACTICE OF COMPUTER	ISM	SECTION A: Data modelling Objectives: here we have to propose a practical business case which will be analysed using the MERISE method in order to model its data. - Elaboration of CDM from a basic concrete problem. - Representation of relational LDM - Translation of CDM into class diagram	1Hr	20	20%
		SECTION B: Database development - Implementation of the LDM into MySQL	1Hr	20	20%
		- Insertion of some records into the database - Creation of Database backup			

		SECTION C: Object Oriented Programming (JAVA or Visual Basic) - Creation of forms to manipulate the Database (login window, form for inserting, updating, or displaying data from the database)	02Hrs	40	40%
		SECTION D: SYSTEM MAINTENANCE - Hardware maintenance (system care, installation of HDD, RAM, installation of printer, changing printer's cartridge) - software maintenance (installation of OS, installation of MS office) - Finding faults in computer hardware and software - Upgrading software	1Hr	20	20%
TOTAL			05Hrs	100	100%

PAPER: ACCOUNTING (ISM)

NATURE OF PAPER: WRITTEN

CREDIT VALUE: 4

TIME ALLOWED: 3 HOURS

OBJECTIVES: To enable the students to apply knowledge on financial accounting, cost classification, material costing, Labor costing, overhead costing and management accounting.

INSTRUCTIONS TO CANDIDATES:

- This paper carries two (2) Sections.
- Section A: FINANCIAL ACCOUNTING – 60%
- Section B : COST AND MANAGEMENT ACCOUNTING – 40%
- Students are allowed to answer all questions
- Only non-programmable calculators and the OHADA Chart of accounts are authorized

FORMAT: TYPOLOGY AND TOPICS

This paper shall be constructed on 100 marks from Two Core Sections: FINANCIAL ACCOUNTING and COST AND MANAGEMENT ACCOUNTING with the following elements:

FORMAT	NATURE OF QUESTIONS	QUEST	%	MARK	TOPICS TO BE COVERED	OBJECTIVES TO BE TESTED
SECTION A	Problem solving questions from given business situations	3	60	60 Marks	<u>FINANCIAL ACCOUNTING</u> Questions MUST come from the following topics with not more than ONE question from a single topic; GENERAL INTRODUCTION 0.0: Definition and Origin of OHADA 0.1: The OHADA accounting systems 0.2: Codification of the OHADA Accounting plan 0.3: Branches of accounting and users of accounting information	Knowledge Comprehension Application

					0.4: OHADA Accounting Plan ACCOUNTING PRINCIPLES AND CONCEPTS 1.1 ACCOUNTING PRINCIPLES 1.2 ACCOUNTING CONCEPTS THE ENTERPRISE AND ITS PATRIMONY 2.1: Definition 2.2: Characteristics of an enterprise 2.3: Classification of enterprises 2.4: The role of enterprises 2.5: Third parties of an enterprise 2.6: Patrimony of the enterprise 2.7: The Accounting equation 2.8: The Balance Sheet ECONOMIC FLOWS 3.1: Internal Flows 3.2: external flow 3.3: Real flow 3.4: Financial flow 3.5: Results flow 3.6: commercial flow 3.7: Industrial flow THE CLASSICAL SYSTEM 4.1: The Classical system 4.1.1: The journal 4.1.2: The Ledger and Types of Accounts 4.1.3: Trial Balance	
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					4.1.4: Advantages and disadvantages 4.2: The inventory methods PURCHASES AND SALES OF GOODS 5.1: Definition 5.2: Documents used in Purchases and sales of VAT 5.3: The use of Markup Rate and Margin Rate 5.4: Methods of stock valuation 5.5: Simple invoice 5.6: Addition and subtraction on an invoice PERSONNEL EXPENSES 6.0: Definition 6.1: Legal Regulation of salary 6.2: Elements of salary 6.3: Taxable salary and contribution salary 6.4: Deductions on salary 6.4.1: Fiscal deduction 6.4.2: Social deductions 6.5: Employer's contributions 6.6: Accounting entries of salaries 6.7: Payroll and payslip CONCEPT OF PROVISION FOR DEPRECIATION 7.0; Notion 7.1 ; Calculation 7.2; Tables	
SECTION B	Problem solving	02	40	40 Marks	<u>COST AND MANAGEMENT ACCOUNTING</u>	Knowledge

	questions from given business situations				Questions MUST come from the following topics with not more than ONE question from a single topic; - Cost classification - Material costing - Labour costing - Overhead apportionment - Budgeting (Sales budget, production budget) NB; If a question requires the use of a graph paper, then indicate so that graph papers are provided to the candidates.	Comprehension Application Analysis Synthesis
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SUBMISSION OF QUESTION PAPER

The question paper shall be submitted alongside its marking guide both in hard and soft copies to the examination authorities.

PAPER: OBJECT ORIENTED DESIGN AND PROGRAMMING

TIME ALLOWED: 3H

NATURE OF PAPER: WRITTEN

CREDIT VALUE: 10

OBJECTIVE (S) OF PAPER:

Evaluate the learner's knowledge on basics of software engineering and object-oriented programming.

Specifically, by the end of this course (paper), students should be able to:

- Describe and explain the principles and tools of software engineering - Use UML for modeling

FORMAT OF EXAM:

EXAM PAPER	OPTION	DIFFERENT SECTIONS OF THE PAPER	DURATION	MARK	PERCENTAGE
OBJECT ORIENTED DESIGN AND PROGRAMMING	ISM	A- MCQS (SOFTWARE ENGINEERING AND OBJECT ORIENTED PROGRAMMING)	55 min	20	40%
		B- Structured and programming questions (SOFTWARE ENGINEERING AND OBJECT ORIENTED PROGRAMMING)	02H05 min	30	60%
MARK TOTAL			03H	50	100%

Structure of paper:

This paper should contain three main sections:

Section A: MCQ (20 marks)

This section include the following part

- Software engineering(software quality, software life cycle, software life cycle models) (8 marks)
- Object oriented programming(fundamental concepts of OOP, UML and his diagrams)) (12 marks)

Section B: Structured and programming questions (30 marks)

- Software engineering(software quality, software life cycle, software life cycle models) (12 marks)
- Object oriented programming(fundamental concepts of OOP, UML and his diagrams(Use case, class, sequence, activity and deployment))) (18 marks)