

SPECIALTY: QUALITY MANAGEMENT(QMA)

PAPER: CASE STUDY

Time Allowed: 06 Hours

Credit Value: 14

INSTRUCTIONS TO CANDIDATES

- ☐ This paper carries five sections.
- ☐ You are required to attempt all the questions.
- ☐ Only non-programmable calculators are authorised.

II –FORMAT, TYPOLOGY and TOPICS

The Question Paper shall be constructed on 100 marks from SEVEN core areas: Stock management and production system, Information system, Business Ethics, Quality Health Safety and environmental control, Simulation and Parameterization, Logistics and Quality Management and Industrialisation and Eco-Design broken down into Five sections as shown on the table below

FORMAT	TYPOLOGY				TOPICS TO BE COVERED	OBJECTIVES TO BE TESTED
	Nature of Questions	Number of Questions	Weight in the paper	Mark Allocation per Question		
Section A	Problem Solving Questions from given business situations.	3 (10 marks per question)	30%	30 marks	<u>Stock production questions)</u> Questions more than topic <u>Management and system (2</u> MUST come from following topics with NOT have two from a single The Economic order quantity Stock Classification using the ABC approach Various Levels of stock (Min, Max, Safety and reorder stock level Valuation of stock (FIFO and LIFO only) Supply Budget (Stock replenishment. Limit to	Comprehension of theories and their applications

					fixed quantity/fixed period and fixed quantity/varied periods • Means of production • Representation of flows <u>Information system (1 question)</u> Questions MUST come from the following topics with NOT more than ONE from a single topic: • Basic principles and concepts of Information system • Systemic Analysis of a business • Computerisation of an Information system • Basic treatment and sequences of Information system • Application with Basic and Pascal • Structure of DATA	
Section B	Essay Questions	02	20%	20 marks	<u>Business Ethics(1 question for 10 marks)</u> Questions MUST come from the following areas with NOT more than ONE question from a single area on the following topics: ☐ The loyalty in contractual matters; ☐ The loyalty of the competition; ☐ The duties and responsibility of the leaders and auditors; ☐ The control of the management by the associated; <u>Quality Health Safety and environmental control</u>	Knowledge Comprehension Analysis Synthesis

					Questions MUST come from the following areas with NOT more than ONE question from a single area on the following topics: H S E, Sustainable Development and R S E: <u>(1 question, a) for 5marks)</u> ☐ Repositories, certification and selfassessment; ☐ Standards relating to hygiene, security, the environment, sustainable development and social responsibility; ☐ Methods of Analysis: HACCP; ☐ Integrated Management System; ☐ Organization and QSE services; - QSE Management/DD/CSR. Typology of products and processes: <u>(1 question: b) for 5marks)</u> ☐ Typology of products, productions and companies, sectors of activity; ☐ Constraints induced by the products and processes on production activities (quality, logistics, organization, hygiene and safety, environment); ☐ - Processes for the preparation and processing of materials.	
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Section C	Essay Questions	02	20%	20marks	<u>Simulation and Parameterization(2questions for 10 marks each)</u> Questions MUST come from the following areas with NOT more than TWO question from a single area on the following topics: Simulation of a system of production of goods and services I & II: (1 question for 10 marks) ☐ Definition of key performance indicators of production; ☐ Definition of the criteria and objectives of the simulation; ☐ Setting of the model; ☐ Strategy for the conduct of the trials of simulation <u>Parameterization of an ERP: (1 question for 10 marks)</u> ☐ General presentation of the : Definition; The LES: for who, why? - For that; - For what; - Technical architecture. ☐ Modular architecture of the ERP (The finance module and The logistics module)	Knowledge Comprehension Synthesis
Section D	Essay Questions	02	20%	20 marks	<u>Logistics and Quality Management</u> Questions MUST come from the following topics as stipulated by the ministry with NOT more than TWO question from a single topic	Knowledge Comprehension Analysis Synthesis
Section E	Essay Questions	01	10%	10 marks	<u>Industrialisation and Eco-Design</u> Questions MUST come from the following topics with NOT	Knowledge Comprehension

					more than ONE question from a single topic from the following topics: • Functional analysis of the need (AFB) and the Technique (AFT) • Product life cycle • Principle of recycling to infinity • Means of production • Manufacturing cycle, time cycle and simmogramme • Analysis of falls and replacement • Measurement and estimation of time • The production Process	Analysis Synthesis
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III–SUBMISSION OF QUESTION PAPPER

The Question Paper shall be submitted alongside its Marking Guide both in Hard and Soft Copies to the Examination Authorities.

PAPER: OPTIMISATION AND ACCOUNTING

Time Allowed: 04 Hours

Credit Level: 8

INSTRUCTIONS TO CANDIDATES

- ☐ This paper carries two sections.
- ☐ You are required to attempt all the questions.
- ☐ Only non-programmable calculators are authorised.

II –FORMAT, TYPOLOGY and TOPICS

The Question Paper shall be constructed on 100 marks from two course areas:

Operationalization and Accounting And Auditing in Quality Mgt in accordance with the following elements:

FORMAT	TOPICS TO BE COVERED			OBJECTIVES TO BE TESTED	
	Nature of Questions	Questions	%		
SECTION A	Practical Calculation (2 questions at 10 marks each) Essay Questions (2 questions at 20 marks each)	4	60%	<u>OPERATIONALIZATION</u> Questions MUST come from the following areas with NOT more than ONE question from a single area: ☐ <u>Actuation of the flows in just in time</u> • Philosophy of the Just In Time (JIT) • Continuous improvement (KAIZEN) • Different ways to control a flow of an on-going process (Pushed	Knowledge Comprehension Application

					and Pulled) Method □ <u>Optimization processes /experimental approaches</u> • BEP analysis • Stock valuation (FIFO, LIFO, WAC) • EOQ and stock levels □ <u>Optimization of an Implementation</u> • Analysis of a location • Analysis of stream • Simple techniques of implantation □ <u>Optimization of a workstation</u> • Ergonomic approach, security to the workstation; • Calculation of time and optimization of the Cadence; • Efficiency of a workstation; • Application to the workstation of the concepts of improvement and just in time (P on the position);	
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					☐ The establishment of standards for time; - analysis of the economic impact of the solutions to be recommended. ☐ Modeling and Optimization of processes	
SECTION B	Practical Case questions	2	40%	20Marks	<u>HUNTING AND EDITING IN REALITY MGT</u> MUST come in the following NOT more than 10 Questions <u>Analytical Accounting and Budgetary management (2 questions)</u> Classification of cost (behavior and Elements only) Valuation of Stocks (FIFO and LIFO only) Full costing (no waste, scrap or work in progress) Marginal costing (BEP, CVP analysis, Safety index) Standard costing (Variance on material and labour only) Budgeting (sales, production,	Knowledge Comprehension Application

					supply and Cash flow) ☐ <u>Quality Management And Auditing (2 Questions)</u> ☐ Internal control Systems (Routine check, internal check and test check) ☐ Audit process ☐ Principles and ethics of auditing ☐ Quality management system ☐ Quality control of products in production service companies	
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PAPER: ORGANIZATIONAL PLANNING

Time Allowed: 03 Hours

Credit Value:6

INSTRUCTIONSTOCANDIDATES

- ☐ This paper carries two sections.
- ☐ You are required to attempt all the questions.
- ☐ Only non-programmable calculators are authorised.

II –FORMAT, TYPOLOGY and TOPICS

The Question Paper shall be constructed on 100 Marks from Five Core Areas of the Principles of Taxation syllabus (Cameroon Tax Law), in accordance with the following elements:

FORMAT	Nature of Questions	Number of Questions	Weight in the paper	Mark Allocation per section	TOPICS TO BE COVERED	OBJECTIVES TO BE TESTED
Section A	Essay Question	4	60%	15 marks	<u>Organisation and Planning (4 questions)</u> Questions MUST come from the following topics with NOT more than ONE from a single topic: <u>Organization of a workstation: (2 questions: 15 marks for each question)</u> Organization of a workstation, 5s; Ergonomic approach; Security Of the workstation SMED, Kaizen; Integration of the self- regulation in the position; Performance rate synthetic (TRS);	Knowledge Comprehension

					☐ Integration of the first level of maintenance, safety of operation; ☐ Formalization of the workstation (drafting of operating modes, fact sheets of instructions). <u>Production Planning : (2 questions: 20 and 15 marks respectively)</u> ☐ Exploitation of technical data (Articles, nomenclatures, posts of load, ranges and calendars); ☐ Distinguish the different needs (gross, net, dependent, independent); ☐ Plan the needs in horizons of decisions (periodicity and mesh of time); ☐ Plan the production of finished products: Program Director of production; ☐ Planning the production and supply of components and materials; ☐ Calculation of the needs of gross and net; ☐ Staking out the shop orders (OF) and check the adequacy between load and production capacity	
Section B	Essay Questions (4 questions at 10 marks each)	4 :	40%	10 marks	<u>Planning and control</u> The questions here MUST come from the following sections: ☐ Short and long-term planning	Knowledge Comprehension Application Application of theories
					☐ Control and Management of Equipment	

III-SUBMISSION OF QUESTION PAPPER

The Question Paper shall be submitted alongside its Marking Guide both in Hard and Soft Copies to the Examination Authorities.

PAPER: PRACTICAL ASPECTS OF QUALITY MANAGEMENT

Time allowed : 03 Hours

Credit Value: 8

INSTRUCTIONS TO CANDIDATES

- This paper carries four sections.
- You are required to attempt all the questions.
- Only non – programmable calculators and OHADA Charts of Accounts are authorised.

II –FORMAT, TYPOLOGY AND TOPICS

The Question Paper shall be constructed on 100 marks from Four core areas: Implementation of an approach and Scheduling I and II, Document management of a System Organisation and Animation of a production Unit, Demand and Technical Data Management and Mastery of Processes and Coordination of Workshop in accordance with the following elements:

FORMAT	Nature of Questions	Number of Questions	Weight in the paper	Mark Allocation per Question	TOPICS TO BE COVERED	OBJECTIVES TO BE TESTED
Section A	Problem Solving Questions and/or Essay from given business situations.	3 (10 marks per question)	30%	30 marks	<u>Implementation of an approach and Scheduling I and II</u> Questions MUST come from the topics under the guide given by the Ministry with NOT more than ONE from a single topic:	Knowledge Comprehension Application
Section B	Essay Questions	3(10 marks per question)	30%	30 marks	<u>Document management of a System Organisation and Animation of a production Unit</u> Questions MUST come from the topics under the guide given by the Ministry with NOT	Knowledge Comprehension Application Analysis Synthesis
					more than ONE from a single topic -	

Section C	Problem Solving Questions and/or Essay from given business situations.	02(10 marks per question)	20%	20marks	<u>Demand and Technical Data Management</u> Questions MUST come from the topics under the guide given by the Ministry with NOT more than ONE from a single topic	Knowledge Comprehension Application Analysis Synthesis
Section D	Essay Question	02(10 marks per question)	20%	20 marks	<u>Mastery of Processes and Coordination of Workshop</u> Questions MUST come from the topics under the guide given by the Ministry with NOT more than ONE from a single topic	Knowledge Comprehension Application Analysis Synthesis