AUTO PARTS MERCHANDISING

SCHEME OF EXAMINATION

There will be two papers, Paper 1 and 2, both of which will be a composite paper to be taken at a sitting.

PAPER 1: Will consist of forty multiple choice questions all of which must be taken in 50 minutes for 40 marks.

PAPER 2: Will consists of two sections, Sections A and B. Both sections will last for 2 hours and carry 100 marks.

Section A: Will consist of three questions including a compulsory one and drawn on the technical part of the syllabus. Candidates will be required to answer two questions, including the compulsory one. The section will carry 40 marks.

Section B: Will consist of four questions based on the merchandising part of the syllabus. Candidates will be required to answer three of the questions for 60 marks.

DETAILED SYLLARUS

S/N	SECTIONS	CONTENTS	NOTES	
1.	TECHNICAL	(A) AUTOMOBILE	(1) SAFETY IN AUTO PARTS	
	SECTION	PARTS	MERCHANDISING SHOP:	
			i. Definition of safety.	
			ii. Safety clothing (helmet,	
			goggle, hand glove, nose	
			mask, foot boot, over all	
			dress)	
			iii. Fire extinguisher: types of	f
			extinguishers	
			iv. Causes and prevention of	ı
			accident	
			(2) ENGINE PARTS:	
			i. Identification of parts,	

		examples Piston, Piston
		rings, Connecting rod,
		Camshaft, Crankshaft,
		Valves, Cylinder head and
		Oil pump.
	ii.	Sketching of Engine parts as
		listed above.
	iii.	Location and functions of
		engine parts.
	(3) TRA	NSMISSION
	SYST	TEM(CLUTCH):
	i.	Identification of parts of a
		clutch.(flywheel, clutch
		plate, pressure plate
		assembly and release
		bearing)
	ii.	Functions of the clutch parts.
	(4) TRA	NSMISSION SYSTEM
	(GEA	AR BOX):
	i.	Types of gear box:
		(manual - 3, 4 & 5 speeds)
		and automatic transmission)
	ii.	Functions of gear box.
	(5) TRA	NSMISSION SYSTEM
	(PRC	OPELLER SHAFT AND
	REA	R AXLE ASSEMBLY):
	i.	Types of propeller shafts and
		universal/sliding joints.
	ii.	Functions of the
		transmission system parts.
	iii.	Identification of parts of axle

	assembly.
(6) SUSP	ENSION SYSTEM:
i.	Types. (Normal beam and
	independent suspension
	system.)
ii.	Parts of suspension system-
	Damper, spring (coil
	springs, torsion bar, leaf
	spring)
iii.	Functions of the parts.
(7) COOI	LING SYSTEM:
i.	Types.(water and air
	cooling system)
ii.	Functions of the cooling
	system.
iii.	Parts of water and air
	cooling systems.(Radiators,
	fan blade, fan belt, water
	pump, water host and
	thermostat).
(8) STEE	RING SYSTEM:
i.	Types. (Manual and power
	assisted steering.)
ii.	Parts of a steering (steering
	gearboxes, steering wheel,
	steering shaft and tie-rod.
iii.	Functions of the parts.
(9) BRAF	KING SYSTEM:
i.	Types. (Disc and drum)
ii.	Parts. (master cylinder,
	wheel cylinder, connecting

			pipe, brake pads, brake
			shoes/lining)
		iii.	Functions of the parts.
		(10)	LUBRICATION
		SYS	ГЕМ:
		i.	Parts. (Oil tank/sump, Oil
			filter, Oil cooler, Oil seal,
			Pressure switch and Oil
			pump & types
		ii.	Types of lubricant (Oil and
			grease)
		iii.	Types of Oil (SAE40,
			SAE60 and SAE 30/20w)
		iv.	Quality and uses of oil and
			grease.
		(11)	ELECTRICAL PARTS:
		i.	Components (Battery, fuse,
			electrical control unit/brain
			box, alternator, ignition,
			coil, bulb, and cut-out)
		ii.	Identification of the
			components.
		iii.	Functions of the component.
	(B) TOOL, TEST	(12)	WHEELS AND TYRES:
	EQUIPMENT AND	i.	Types of wheel (Spoke
	<u>ACCESSORIES</u>		wheel, alloyed wheel and
			pressed steel wheel)
		ii.	Types of tyres (tube and
			tubeless)
		iii.	Sizes of wheel and tyre.
		iv.	Functions of wheel and tyre.

			(1) TYPES OF TOOLS AND THEIR	
			USES	S :
			i.	General tools (Spanner,
				harmer, mallet, allen key,
				screw driver, and plier)
			ii.	Special tools (Extractor,
				pullers, Sledge hammer, and
				lifters)
			iii.	Differences between general
				and special tools
			(2) CARI	E OF TOOLS
			i.	Ways/means of caring for
				tools e.g.(greasing, cleaning
				and packing,)
			ii.	Effects of improper tools
				care
			(3) TEST	EQUIPMENT
			i.	Types (Spark plug cleaner,
				engine analyzer, dwell angle
				tester, Exhaust gas analyzer,
				and vacuum tester)
			ii.	Functions of different types
				of test equipment.
			(4) MAIN	NTENANCE OF TEST
			EQUI	IPMENT
			i.	Knowledge of starting and
				stopping of the equipment.
			ii.	Importance/Uses of
				manufacturers' manuel.
			(5) ACCI	ESSORIES
1	i .	1		

i.

Definition.

			ii.	Importance.
			iii.	Care of accessories.
			iv.	Types (steering cover, car
				radio, wheel cover, seat
				cover and car cover)
2.	MERCHANDIS	(A) STORAGE,	(1) STO	RAGE:
	ING SECTION	CATALOGING	i.	Definition
		AND VISUAL	ii.	Process and ways of storing
		PRESENTATION		parts
			iii.	Reasons for proper storing
				of parts
			(2) CAT	ALOGUING:
			i.	Definition.
			ii.	Functions
			iii.	Process of locating Auto
				parts using Catalogue.
			(3) RE-0	ORDER QUANTITY
			i.	Meaning
			ii.	Importance/Advantage of re-
				order quantity.
			iii.	The process of re-ordering
				auto- parts quantity /Stock
			iv.	Principle of maintaining
				parts/stock level and its
				importance.
			v.	Calculations (Re-order level,
				FIFO and LIFO)
			(4) VISU	JAL PRESENTATION:
			i.	Methods of items
				presentation
				/grouping/arrangement of

	parts (by branding and
	manufacturers/models
	ii. Advantages of item
	presentation.
	(5) INVENTORY:
	i. Definition.
	ii. Types(Daily, Periodic and
	annual)
	iii. Procedure for inventory
	taking(use of bin card)
	(6) PRODUCT SOURCING:
	i. Definition.
	ii. Ways of sourcing products
	iii. Importance.
(B) SALES,	(1) SALES:
INVOICING,	i. Definition.
FORCASTING,	ii. Types (Cash, Credit/
RECORD	deferred sales)
KEEPING,, FUND	iii. Method of selling (Personal,
RAISING,	door-to-door, trade fairs,
MARKET	open market, unit shops.
ANALYSIS,	iv. Explanation and procedure
ADVERTISING,	for sales calls
VALUE PRICING	(2) INVOICING:
AND CUSTOMER	i. Meaning.
SERVICES.	ii. Contents.
	iii. Uses/Importance.
	(3) FORECASTING:
	i. Definition.
	ii. Need/Reasons for
	forecasting.

ii. iii. (5) FUND FINAN i. ii. iii. iv.	RD KEEPING: Types of records. (sale journal, purchases journal, sales ledger, purchase ledger, invoice, receipt and cash book.) Process of keeping the
ii. iii. (5) FUND FINAN i. ii. iii. iii. iii.	journal, purchases journal, sales ledger, purchase ledger, invoice, receipt and cash book.)
ii. iii. (5) FUND FINAN i. ii. iii. iii. iv.	sales ledger, purchase ledger, invoice, receipt and cash book.)
ii. (5) FUND FINAN i. ii. iii. iv.	ledger, invoice, receipt and cash book.)
ii. iii. (5) FUND FINAN i. ii. ii. iii. iii. iv.	cash book.)
ii. iii. (5) FUND FINAN i. ii. iii. iii. iv.	•
iii. (5) FUND FINAN i. iii. iii. iii. iii.	Process of keeping the
iii. (5) FUND FINAN i. iii. iii. iii. iv.	
(5) FUND FINAN i. ii. iii. iii. iv.	records
FINAN i. ii. iii. iii. iv.	Uses of the various records.
i. ii. iii. iv.	RAISING(SOURCE OF
ii. iii. iv.	CE):
iii. iv.	Definition of fund raising.
iv.	Types of fund.
	Source/ways of raising fund.
	The process/procedure of
	raising fund.
(6) MARK	ET ANALYSIS:
i.	Definition of market.
ii.	Definition of market
	analysis.
iii.	Definition of market
	segment.
iv.	Explanation of Market
	segmentation.
v	Procedure and basis for
	Market Segmentation.
(7) VALUI	
i. i.	E PRICING:
ii.	E PRICING: Definition.
iii.	

	(8) ADVERTISING:	
	i. Definition.	
	ii. Types.	
	iii. Media of advertising.	
	iv. Advantages.	
	(9) CUSTOMER SERVICE:	
	i. Meaning	
	ii. Types	
	iii. Importance/advantages	
	iv. Handling of customers'	
	complaints	
(C) WARRANTY/	(1) WARRANTY/ GUARANTY:	
GUARANTY AND	i. Meaning.	
REGULATORY BODIES.	ii. Importance.	
	iii. Procedure for claiming	
	warranty/guaranty right	
	iv. Process of losing warranty	
	right	
	(2) REGULATORY BODIES:	
	i. Reason for regulation.	
	ii. Quality control (Definition	
	and types)	
	iii. Ways to improve quality.	
	iv. Examples of Regulatory	
	Body. (Standard	
	Organisation of Nigeria-	
	SON, Consumer Protection	
	Board and Society of	
	Automobile Engineers –	
	SAE)	
	v. Functions.	

(D)	(1) INTRDUCTION TO AUTO
ENTREPRENUERSHIP	PARTS MERCHANDISING:
	i. Definition of merchandising.
	ii. Explanation of Auto parts
	merchandising.
	(2) PERSONAL QUALITIES OF A
	MERCHANDISER:
	i. Qualities of an auto parts
	seller.
	(3) ETHICAL BUSINESS
	BEHAVIOUR:
	i. Definition.
	ii. Type
	iii. Explanation of behavior
	expected of an Auto part
	seller.

RECOMMENDED TEXTBOOKS

- 1. Technology For Motor Vehicle Mechanics, Parts 1, 2 &3. By Mudd, S.C.
- 2. Motor Vehicle Technology and Practical Work. By Dolan, D. A.
- 3. Principles of Marketing. By Philip Kotler.
- 4. Marketing. By Giles, G.B. (The M&E Hand book)