I. Entry Level Examination (Self Knowledge Based) (M.M. - 100)

Training Module for C(Radio) to HC(Radio) P.P.Course

S.N	o Topic	tule for C(Radio) to HC(Radio) P.P.Course
5111	Topie	Synonsis
		Ohms Law, KVL, KCL and its numerical excercises.
		Batteries - Charging and discharging Fault and remade for the
		James of the control of the charging and discharging out the
		Tattorios tricii constitucion & maintenance VDI & 0 T 1 1 1
		Solid Conductors :- P-N Junction diode and its abare at-
	= 1	Digit Chilling (IOUE (LEI)) Seven segment digitals
		Tidissistors- Introduction, Construction, Operation of DVD.
1	Radio Theory	Transistor Diasing and Characteristic of CE configuration
	l liebly	Logic Gates- Introduction, Basic logic gates with truth table.
		Rx & TX Difference between AM and FM modulation. Block diagram of FM receiver.
		of the foodiver.
	1	Repeaters & Networking- VHF and HF networking in MP, General
		maintenance of repeaters and their importance repeater, simplex, semi duplex, full duplex.
	7	RTS- Introduction Plack diameter
20		RTS- Introduction, Block diagram and function. Comparison with conventional communication System.
		Wave propagation, Antenna, Transmission line.
		1. Pro sign, Authorized abbreviation. Operating signals.
		1 / I Vnes of massage Ct
		Component used in procedure message, Service message,
		3. General instruction on message writing. Use of priorities, security.
		4. Out message, In message, Through message, N.R slip, delay memo.
		5. Call and call sign, preliminary calling and answering, establishing
		communication, discipline to be exercised when calling and
		diswelling, Offering message
		6. "F" method, "G" method, Broadcast method (B.C.) difficult
		definition (attor) inclined (1).()
2	Telecommunication	7. Operating rules, Radio log, Recording of message Handing and
2	Procedure	taking over charge the watch.
		8. Abbreviated procedure.
		9. Distress signal, Alarm signal, Urgency signal, Safety signal.
		10. General types of R/I communication. How to speak Drolling
		curing and answering, Control Working initiating R/T convergetion
		receiving formal message Abbreviated D/T
		procedure, Security.
	8	11. Q code and P code.
		12. D.S.R.
	Α	13. Basic knowledge of communication security, PWCC.
		14. Duties of OIC (R) watch and S.S.O. Signal security
		13. Handling of CSD/Cipher document
2	C	Fundamental of Computer, Windows, Hardware/ software installation,
3	Computer Practical	Innui English Typing, MS Word Excel Power point amail internal
		out Sivis, Skype, configuration of Internet Printers computer
		hardware & networking.

एच. जाहरवार पुलिस अधीक्षक (रेडिया) रेडिया मुख्या, भोपाल

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II. Technical Knowledge (Theory) Training Module for Constable (Radio) to H.C.(Radio) P.P.Course

[TOTAL PERIODS = 120]					
Topic	Synopsis	No. of Period (60)			
Rectifiers	Rectifiers- Difference among HW, Center Tapped FW, Bridge FW Rectifiers. Filter- Different types of passive Filters.	3			
Power Supply	Power Supply- Basic block diagram and function of Power Supply. Voltage regulators with Zener diode and transistor. Difference between UPS and SMPS.	3			
Radio Trunking System	Digital Trunking System-Working function of main components, Advantages etc, Introduction of TETRA system.	3			
Dial-100	Dial-100: Net viewer, Call taker, Call Dispatcher, SPOC, MDT, Point of Interest.	5			
VHF Network	VHF Network: Repeater, Simplex, Semi duplex, Full duplex, Full-full duplex, Patch unit repeater, Frequency allotment in VHF network, Geographical maps, Radio Mobile software.	4			
6.1 Introduction of Video Conferencing	1. Introduction 2. Parts of video conferencing 3. Modes of video conferencing 4. Video conferencing component & equipments. 5. Component functions 6. Remote control button & there use 7. Installation procedure of video conferencing 8. Benefits of video conferencing	2			
6.2 UAV	1. Overview 2. Main features 3. Performance parameters 4. Specifications 5. Important features 6. Surveillance tool 7. Application areas 8. Deployment method 9. Benefits 10. Precautions before, after & during UAV flight 11. Govt. regulations regarding UAV flight.12. Anti Drone Technology	3			
6.3 Biometric Attendance System (BAS)	1. Overview 2. Working Procedure 3. BAS use in organisation 4. Registration method 5. Requirements for BAS 6. Precautions in installation of BAS Machine 7. Types of report and there analysis.	2			
6.4 CCTV	System Architecture and operation, A.N.P.R. system, R.L.V.D. System, Video management system (V.M.S.)	6			
6.5 ROIP	1. Overview & Working Components of ROIP, Advantages of ROIP System. Common frequent problems & there Solution methods for ROIP System.	2			
6.6-CUG	1. Overview 2. Working Procedure 3. Important Features 4. CUG Portal	2			
Computer	Hindi/English Typing MS Word, Excel, Power point E-mail, Internet, Bulk SMS, Skype	10			
Social Media	Operation of Social networking like Whatsapp, Twitter, Facebook etc 1. Whatsapp - Installation, Privacy settings etc. 2X (Twitter) - Installation, Profile updating, Privacy settings. 3. SMS - Message sending procedure. 4. Facebook - ID creation, Profile settings, Privacy settings	4			
Behavioral Science	Telephone talk, Wireless talk and their etiquettes.	2			
Digital Mobile Radio (DMR)	Introduction, Modes of DMR, Dispatcher and microwave link Advantages and Disadvantages. Introduction of LTE Based Radio	6			

III. Professional/Official Approach (Administrative Role) Training Module for Constable (Radio) to H.C.(Radio) P.P.Course

Definition of Natural calamities & disaster, Role of NDRF and SDRF, Role of police during disaster. Store & Purchase Rules Function of DDO, Sanctioning authority of officers in Process. Condemnation process and write off of store Handling of Cipher documents and communication Definition of Natural calamities & disaster, Role of NDRF and SDRF, Role of police during disaster. Function of DDO, Sanctioning authority of officers in Process. Condemnation process and write off of store Introduction & definition of security, Types of message, Official correspondence and filling Proper was addocumentation.			(Radio) to H.C.(Radio) P.P.Course	*
Definition of Natural calamities & disaster, Role of NDRF and SDRF, Role of police during disaster. Store & Purchase Rules Function of DDO, Sanctioning authority of officers in Process. Condemnation process and write off of store Handling of Cipher documents and communication Definition of Natural calamities & disaster, Role of NDRF and SDRF, Role of police during disaster. Function of DDO, Sanctioning authority of officers in Process. Condemnation process and write off of store Introduction & definition of security, Types of message, Security destruction maintenance of records etc. Official correspondence and filling Proper was documentation.	S.No	Topic		,
Store & Purchase Rules Police, Procedure of keeping store ledgers. Purchase items, Inventory Portal Introduction & definition of security, Types of message, Security destruction maintenance of records etc. Office Administration Office Administration	1	Disaster Management	Definition of Notes	No. or Period (10)
Handling of Cipher documents and communication Handling of Cipher documents and communication Handling of Cipher documents and communication Introduction & definition of security, Types of message, Security destruction maintenance of records etc. Official correspondence and filling Proper and documentation are proper and documentation.	2	Store & Purchase Rules	Police Procedure Sanctioning authority of officers	
Office Administration Office Administration Official correspondence and filling Proper	- 1	uocuments and	items, Inventory Portal Introduction & definition process and write off of store	03
rules, Police regulation, Maintenance of registers in		ffice Administration	Official correspondence and filling Proper	03
-Sisters III		- Auton	rules, Police regulation, Maintenance of registers in admin, record keeping.	02

IV. Practical approach and innovation Practical Training Module for Constable (Radio) to H.C.(Radio) P.P.Course

S.No	Module Categories		Resolute for Constable (Radio) to H.C.(Radio) P.P.Cours	e
1			Practical Topic	No. 0
	Instruments	1.1	(AVO) Multi-meter and its type.	Period
2	Software	2.1	Programming of	(50) 02
	Software uses	2.2	Programming of various DMR/VHF/HF sets. Basic knowledge of VHF and HF frequencies allotted for Fault diagram.	03
3	Fault finding	3.1	use in M.P.	04
4	8	4.1		03
	Fabrication	4.2	Elementary knowledge of light, Fan and power wiring. To Study the Secondary Batteries Charging March 1987.	03
	- III		To Study the Secondary Batteries Charging procedure by Fabrication	02
5	Network	4.3 5.1	1 autication of not-1	04
- 1		5.2	Installation of 60 ft. and 80 ft. aerial mast for VHF antenna. Resigning the installation & operation of DMP (Albertane).	04
		5.3	To study the installation & operation of DMR/VHF/HF sets. Installation & operation of CCTV	04
		5.4	Basic installation & operation of DMR/VHF/HF sets. Installation & operation of CCTV.	04
+	D	5.5	Installation & operation of CCTV. To study the installation of Solar Power Park To Study the Installation of Sola	04
	Practical	6.1	To study the installation of Solar Power Pack/Bank Installation & operation of MDT & New York	02
	Demonstration	6.2	Installation & operation of MDT & Net viewer.	04
-	AZIN		Operation of Biometric attendance system(BAS)	05 ,
ANII CHILIF			(-1.15)	02

ANIL SHUKLA SI(R) WORKSHOP PRTS INDORE

GHANSHYAM SINGH DSP(R) INDOOR TRNG. PRTS INDORE AFZAAL KHAN I(R) COURSE PRTS INDORE

R.K.SWAMI I(R) STORE PRTS INDORE

एच. एन. अहिरवार पुलस अधीक्षक (रेडियो) 4 रेडियो मुख्या भोपाल C.S CHANDRAWAT
SP (RADIO)
PRTS INDORE

सउनि(रेडियो) का कार्य विवरण एवं उत्तरदायित्व

- 1. एम.एस.वर्ड एवं एक्सेल का ज्ञान होकर कार्यालयीन पत्राचार एवं MER / अन्य टेबल बनाना ।
- 2. डायल–100 की सम्पूर्ण (FRV, MDT, Net Viewer, SPOC, SOP Etc.) जानकारी।
- 3. CCTV, V.C., BAS, ROIP, UAV आदि तकनीकों का व्यावहारिक ज्ञान ।
- 4. व्हीएचएफ नेटवर्क एवं रिपीटर स्टेशन स्थापित करना।
- 5. स्टोर/प्रशासन/एमटी/संचार शाखा/भवन आदि सभी शाखाओं के प्रभार एवं दायित्व कार्य।
- 6. संचार उपकरणों की रिपेयरिंग, सेट इंस्टालेशन का ज्ञान।
- 7. वर्कशॉप एवं विभिन्न शाखाओं के रिकॉर्ड का रखरखाव का कार्य एवं सुधार कार्य।
- 8. पत्र लेखन शैली, शासकीय पत्राचार एवं जानकारियों को निर्धारित प्रोफार्मा में तैयार करने का ज्ञान।
- 9. कल्याणकारी गतिविधियों में सहभागिता, सामान्य शिष्टाचार, स्टाफ के मध्य समन्वय कार्य में रूचि।
- 10. शाखा प्रभारी के कार्यों के कार्यकारी दायित्वों के निर्वहन का ज्ञान।

एच. एन. अहिरवार पुलिस अधीक्षक (रेडिया) रेडियो मख्या. भोपाल

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