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J&K JAMMU/ SRINAGAR

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Subject: Deletion/Alteration of Syllabus of Pre-Promotion Courses of Police Telecom
viz Level-III, Level-II & Level-I.

Ref'nce's: Trg/Misc/PTTI-V/2023/8647 dated 29.03.2023 (Principal PTTI Vijaypur)
Trg/Syllabus/PTTI-V/2023/11747 dated 17.06.2023 (Principal PTTI Vijaypur)
Estt/Trg-Misc/2022/6574 dated 24.05.2023 (DPT J&K)

ORDER NO. 2139 OF 2023

DATED - 19-07-2023

Govt of India, MHA (Directorate of Coordination Police Wireless) New Delhi has revised Syllabus for different training courses meant for officers/officials of Police Wireless in the year 2020, which was subsequently implemented by PHQ vide Order No. 2215 of 2021 dated 24.07.2021.

Now, recommendation for modification in the Syllabi of **Pre-Promotion Course of Police Telecom viz Level-III, Level-II & Level-I**, has been received from Principal PTTI Vijaypur and DPT J&K. Moreover, recommendations for modification in Syllabi of (04) Specialized Training courses viz. **(03) months Mechanic Course, (01) month Driving & Maintenance Course, (02) weeks Traffic Refresher Course & (05) weeks Disaster Management Course** have also been received from PTTI Vijaypur. As per the discussion held in meeting chaired by ADGP(Co-ord)PHQ on **15-07-2023** in Conference Hall of PHQ, a Committee of following officers is hereby constituted to examine the recommendations, as enclosed, for further deliberations & recommendation thereof with regard to the modification required in the aforesaid Syllabi :-

- | | |
|-----------------------------------|-------------------|
| 1. DIG(Trainings)PHQ | (Chairman) |
| 2. Principal PTTI Vijaypur | (Member) |
| 3. SSP PTWS(Jammu) | (Member) |
| 4. AIG(Trg/Int/Policy)PHQ | (Member) |
| 5. DPT, J&K | (Member) |

The Chairman can Co-opt suitable member(s) for finalising the Report. The Committee shall submit its report within a week's time to PHQ J&K for further course of action.

(M.K Sinha) - IPS

Addl. Director General of Police,
(Coordination) PHQ, J&K, Srinagar

No. Trg/435/2020/ 29206-14

Dated: 19/07/2023

Encl: (04) lvs

Copy to the: -

1. DIG(Trainings)PHQ, J&K Srinagar
2. Principal PTTI Vijaypur
3. SSP PTWS Jammu
4. AIG(Trgs/Int/Policy)PHQ
5. DPT J&K

.....for information and necessary action.

6. AIG(Personnel)PHQ J&K, Srinagar
7. PPS to DGP J&K, Srinagar
8. PS to ADGP (Co-ord)PHQ, J&K Srinagar
- for information.
9. SO (IT) PHQ/ O.B. File.

AIG (Trgs/Int/Policy),

For Addl. Director General of Police,
(Coordination) PHQ, J&K-Srinagar

Proposal received from Principal PTTI Vijaypur regarding Addition/alteration in
(03) Pre-Promotion Courses of Police Telecom viz. Level-III, Level-II & Level-I

Recommendation of Principal PTTI Vijaypur	Comments of DPT J&K
<p><u>Police wireless communication course Level-III (PWCC),(Pre-Promotion course)</u></p> <p align="center"><u>Deletion</u></p> <ol style="list-style-type: none"> 1. Applied Mathematics-I (theory) 2. Morse Code (theory/Practical) <p align="center"><u>Alteration</u></p> <ol style="list-style-type: none"> 1. Basic concept of Lease Line, Networking & Video Conferencing (theory) 2. Installation of PA System (Practical) 	<p><u>Police wireless communication course Level-III (PWCC),(Pre-Promotion course)</u></p> <p>1. <u>Applied Mathematics:-</u> The subject include Topics like concept of Logarithm,Function, Decimal, Conversion of Decibel units, dBW, dBm, dBi, dBc are very important from practical point of view. All the terms are related to power and enable a trainee to access output power of radio equipment & other power generating machines. As such should continue in syllabus. However, topics such as Elementary Trigonometry, Trigonometric Ratios, Functions and Identities can be deleted as there is little field utility of these topics.</p> <p>2. <u>Morse code (theory/Practical)</u> Taking into consideration the present communication set-up, it should be deleted, as it is not in use and is an obsolete system.</p> <p>a. Installation of PA System in practical should be incorporated keeping in view field requirements Further, the syllabus of PWCC Level-III is too lengthy, as such addition of theoretical Topics would create difficulties for trainees and it is better to focus on practicals. Following Topics are requested to add in practicals:</p> <ul style="list-style-type: none"> • Configuration of Broadband Modems • IP Address configuration • Know how of Switches 8 port, 16 port etc
<p><u>Police wireless communication course Level-II(PWCC),(Pre-Promotion course)</u></p> <p align="center"><u>Deletion</u></p> <ol style="list-style-type: none"> 1. Applied Mathematics-II (theory) <p align="center"><u>Alteration</u></p> <ol style="list-style-type: none"> 1. Concept of CCTV installation Maintenance and Operation (theory) 2. Basic concept of DMR & Radio Trunking (theory/Practical) 3. POLNET 2.0 (theory/practical) 	<p><u>Police wireless communication course Level-II (PWCC),(Pre-Promotion course)</u></p> <p>1. <u>Applied Mathematics-II:</u> It has no any practical utility in the department as such should be deleted.</p> <p>2. <u>Addition of CCTV</u> (installation, maintenance & operation) and e-office (functioning/maintenance) may please also be considered</p> <p>3. <u>POLNET 2.0 (theory/practical):</u> being recently implemented in Department needs to be added</p> <p>Besides changes in some practical Topics are suggested as under:</p> <p align="center"><u>Deletion</u></p> <p>To design and Fabricate Mono stable, Bi-stable and Astable multivibrator circuits, to study working of D,JK and T flip flops using digital Trainer board. The Technology has got a paradigm shift as we have switched to Multi-layer PCB's and Surface mounted devices</p> <p align="center"><u>Addition</u></p> <p>Establishment of LAN network using a simple switch and LAN cables, crimping of LAN cables etc in multi storeyed establishments.</p>

Police wireless communication course
Level-I (PWCC),(Pre-Promotion course)

Deletion

1. Applied Mathematics-III (theory)
2. Two part Vector Analyser (Practical)

Alteration

1. POLNET 2.0 (theory/practical)

Police wireless communication course Level-I
(PWCC),(Pre-Promotion course)

1. **Applied Mathematics-III:** and two part Vector Analyzer (Practical) may please be considered for deletion based on fact that the topics have no practical utility in field.
2. **POLNET 2.0 (theory/practical):**
Based on the fact that it has recently been established in the department should be considered for addition.

Besides some changes in Practicals are suggested:

Deletion:

To Design and Fabricate RC phase shift oscillators, to observe Monostable and Astable operation of 555 Timer, to observe and study the PLL & VCO circuit.

Addition:

Establishment of a Network using Router and LAN, Basic Configuration of Router and Layer-III switches. Programming of Radios sets DMR and Dispatcher consoles presently in use of Department.

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Proposal received from Principal PTTI Vijaypur regarding Addition/alteration in (04)
Specialized Training Courses being organised as per annual Course Calender,
in PTTI Vijaypur,

01	Three (03) months "Mechanic Course" as per annual course calendar of PTTI Vijaypur	
	Topic to be deleted from Syllabus	Topic to be added in Syllabus
	Euro – 2 Vehicle	Electrical Vehicle (definition, types, construction, working Principle, Properties) Battery used in EV (Types, life, Charging, Construction, & Properties). Hybrid vehicle (Types, working Principle, construction & properties) advantage and disadvantage defect cause and remedies Automatic Gear box (Types, properties, construction and working principle) Diesel Exhaust Fluid (Types, use, advantage and disadvantage) Anti-lock braking Systems (ABS) Brake (definition, working, advantage & disadvantage. Hill hold Assist (working) Hill Descent control (working) BS-1 (Euro-1) to BS-6 (Euro-6) Vehicle Airbags (types & use) Engine Diagnostic system What is auto pilot technology vehicle and artificial intelligence vehicle
02	One (01) Month "Driving & Maintenance Course and Refresher Course" as per annual course calendar of PTTI Vijaypur	
	Topic to be deleted from Syllabus	Topic to be added in Syllabus
	Elementary idea about construction of main components Terminology of road Engineering	Electrical Vehicle Hybrid Automatic Gear box Diesel Exhaust Fluid ABS Brake Hill Hold Assist Hill Descent Control BS-6 vehicle Airbags
03	Two (02) weeks "Traffic Refresher Course" as per annual course calendar of PTTI Vijaypur	
	Topic to be deleted from Syllabus	Topic to be added in Syllabus
	-	Driving without Driving licence Driving without Driving licence by Minor
04	Five (05) weeks "Disaster Management Course" as per annual course calendar of PTTI Vijaypur	
	Topic to be deleted from Syllabus	Topic to be added in Syllabus
		Workshop on Rope Rescue may be included

Besides, PTTI Vijaypur has recommended eligibility criteria for the following (03) Specialized training courses as per annual course calendar of PTTI Vijaypur is also recommended as under:-

	Name of Specialized Courses	Eligibility (Recommended)
01	Three (03) month Mechanic Course	ITI Mechanic Course/Equivalent Or 10+2 Pass with Science Subject + Valid Driving Licence
02	One month Driving & Maintenance Refresher course	Valid Driving Licence, (LMV/HGV)
03	One month Driving & Maintenance Course	Valid Driving Licence, (LMV/HGV)

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