

No. HIPA (Exam)-20/76-VII

Dated 26th February, 2016

NOTIFICATION

In exercise of the powers conferred by Rule 24(2) of H.P. Board of Departmental Examination Rules, 1997 as notified by Government of Himachal Pradesh, Department of Training & Foreign Assignments, vide notification No. Per (Trg.) B (12)-40/95 dated 13.3.1997, the H.P. Board of Departmental Examination in consultation with the H.P. Public Service Commission hereby carry out following amendments by substituting clauses relating to Syllabus for the Departmental Examination in respect of Officers of State Forensic Science Laboratory Department and prescribing of new syllabus for Computer/IT Professional i.e. Programme Planning Officer/Programmer of H.P. Public Service Commission of the H.P. Government Technical Category (including syllabus for Computer/IT Professional i.e. Programme Planning Officer/ Programmer of all other Departments of the H.P. State Government, wherever applicable) as per Annexure-III attached hereto. This Syllabus as mentioned in Annexure-III shall stand amended and replace the existing Syllabus for Departmental Examinations in respect of Officers as detailed in schedule 'B' (as per Annexure-III) attached to the Departmental Examination Rules, 1997, namely:-

Short title and commencement:	1. (i) These Rules shall be called the Himachal Pradesh Departmental Examinations (Twelfth Amendment) Rules, 2016. (ii) These Rules shall come into force from next Session i.e. October, 2016.
Amendment of Rule 24(1) Paper and Syllabus	2. For the existing provision against Sub Rule(1) of Rule 24, the Syllabus for the Departmental Examinations of Technical Officers mentioned in schedule B shall be amended and also added new syllabus as shown in Annexure -III to these Rules.

[Signature]
Secretary,

H.P. Board of Departmental Examination,
Fairlawns, Shimla-171012

Endst. No. HIPA (Exam)-20/76-VII

Dated: 26th February, 2016

Copy forwarded to:

1. All the Additional Chief Secretaries/Principal Secretaries/Special Secretaries/ Addl. Secretaries/ Joint Secretaries/Deputy Secretaries to the Govt. of H.P.
2. The Addl. Chief Secretary (Training) to the Govt. of H.P., Shimla-2 with reference to letter No. Per (Trg.) B (12) 40/95-II dated 29th August, 2013 for kind information.
3. The Secretary, H.P. Public Service Commission, Shimla-2 with reference to letter No. 1-41/76 - PSC-Part- dated 28-12-2015 with three spare copies for information and n/a.
4. The Under Secretary (Home) to the Govt. of H.P. w.r.t. letter No. Home-C-(B)12-1/2015 dated 16th September, 2015 for information.
5. All the Deputy Commissioners / Divisional Commissioners in Himachal Pradesh.
6. All the Heads of Departments in Himachal Pradesh.
7. The Director, State Forensic Science Laboratory H.P., Shimla Hills, Junga with reference to letter No. FSL-III-(Deptt. Exa)09/15-4117 dated 19-10-2015 for information and n/a.
8. The Private Secretary to the Chief Secretary, Himachal Pradesh.
9. The Controller, Printing and Stationery Department, H.P. for publication in the Rajpatra. He is requested to supply 5(five) copies of the Rajpatra to Director, HIPA immediately.
10. A.P(IT), HIPA, Fairlawns, Shimla-12. He is requested to upload the above notification in e-gazet Rajpatra.

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Dir. Highest
Edn. Lalpuri

P. A. Cell
DHE...
27 FEB 2016

[Signature]
Secretary
H.P. Board of Departmental Examination
Fairlawns, Shimla-171012

Name of Department	Training & Foreign Assignment
Name of Rules	The H.P.Departmental Examination Rules,1997

EXISTING SYLLABUS	AMENDMENT APPROVED
<p align="center"><u>STATE FORENSIC SCIENCE LABORATORY</u></p> <p align="center"><u>Paper No. 3</u></p> <p>Defination of Forensic Science, it's aim an scope and main branches. Locard's Exchange Principle. Principle of probability, Principle of Uniqueness, Scene of Crime examination and preservation by experts and Photography of the scene of crime. Use of lie detector, Finger Prints, Foot Prints and DNA profiling in the Forensic Science,Developing and lifting of Finger prints and Foot prints. Elementary Knowledge of Prisons and their main kinds and Forgeries and Frauds, E-Rays, U.V.rays, I.R.Rays, Fire Arms and their main type. Experts as a witness in the Court of Law. Elementary knowledge of common drugs on abuse. Explosives and their main type.</p> <p><u>SUGGESTED BOOKS</u></p> <ol style="list-style-type: none"> 1 Forensic Science in criminal Investigations and trials. By- B.R. Sharma 2 Fire arms in criminal Investigations and trains. By- B.R. Sharma 3 Frauds prevention and detection. By-B.R. Sharma 4 Forensic Science. By- B.S. Nabar 5 Crime Investigation By- P.L. Kirk 6 Modi's Medical jurisprudence and Toxicology. 	<p align="center"><u>STATE FORENSIC SCIENCE LABORATORY</u></p> <p align="center"><u>Paper No. 3</u></p> <p>Note: Attempt one question each from section A,B,C,D and entire section E.</p> <p>Section-A</p> <ol style="list-style-type: none"> 1. Defination and principles of forensic Science, qualification and duties of forensic scientist, crime scene examination, teleforensics, forensics in disaster management, forensics in human trafficking. 2. Statistics in forensic science, quality assurance ISO 17025 for NABL accreditation Frye and Daubert standard, LIMS. 3. Instrumentation- Microscopes, GC, HPLC, LCMS, Atomic absorption spectrometry, UV-Visible Spectrometry, FTIR, GC-HC, SEM-EDX, XRF, Mass spectrometry. 4. Occupational health safety issue in forensic Labs. 5. Inquest,201,279,302,304,304A,304AA,306,307, 309,316,317,318,323,324,325,326,337,338,363, 366,376,420,436,465,480,498(A)& 506 IPC. <p>I.E. Act 45,46,47,51, IT Act(2000) 66,67,68, Section of Cr.P.C.293, Article-20(1),Pc Act 1988 13(2), POCSO, Wild life Act,1972, Indian Forest Act-1927, NDPS Act-2,15,16, 18, 20,21,22,52A.</p> <p>Section-B</p> <ol style="list-style-type: none"> 1. Blood and body fluid, Tissues (identification and blood grouping)Hair, Fiber. 2. Finger prints, history, classification and methods of finger print development, palm and sole print. 3. DNA profiling- Scope and limitations, principle of heredity, chimerism, Mitochondrial DNA,Y-STR. 4. Forensic Medicine -Death, injuries, sexual assaults. 5. Botanical evidence (Diatom, Pollen grains etc.), Wild Life Forensics, Forensic Taphonomy, Forensic indicators insects. <p>Section-C</p> <ol style="list-style-type: none"> 1. Tool and track marks, firearms, explosives, road accident, building material, trace evidence, restoration of chassis number, soil examination. 2. Voice identification-principle and technique of identification, computer forensics, cyber forensics, cell phone forensics.

EXISTING SYLLABUS	AMENDMENT APPROVED
	<p>3. Modern scientific tools of interrogation- Lie detector, Brain finger printing, Narco analysis. Layered Voice Analysis and Suspect Detection System.</p> <p>4. Forensic documents, principles, principles of handwriting identification, forgeries and frauds, plastic money, counterfeit currency, forensic auditing, Digital signature, Concept of electronic documents.</p> <p>Section-D</p> <p>1. Poisons, liquor, (Classification and analytical methods of detection), illicit liquor.</p> <p>2. Arson, paint, trap cases.</p> <p>3. Drugs, NDPS, Petroleum products, dyes and cosmetics etc.</p> <p>4. Environmental Forensics.</p> <p>Section-E</p> <p>1. The Syllabus for section 'E' would be same as mentioned above under section A, B, C & D.</p> <p>2. There will be short answer type questions/multiple choice questions from entire syllabus.</p> <p>Suggestion Books:-</p> <p>1 Forensic Science in Criminal Investigations & Trials. By- Dr. B.R. Sharma</p> <p>2 Firearms in Criminal Investigations & Trials. By- Dr. B.R. Sharma</p> <p>3 Bank Frauds, Prevention & Detection. By- Dr. B.R. Sharma</p> <p>4 Handwriting Forensics. By- Dr. B.R. Sharma</p> <p>5 Scientific Criminal Investigation. By-Dr. B.R. Sharma</p> <p>6 Medical jurisprudence & Toxicology. By-Jai Singh P.Modi</p> <p>7. Criminal stics. By- R. Safer stein.</p> <p>8 Computer Forensics. By- P.K.Shastry.</p> <p>9 Scientific Examination of Questioned Documents. By-Ordawny Hilton</p> <p>10 Bare Act</p> <p>11 Fundamentals of Forensic DNA Typing. By-Johan M.Buttler</p>

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EXISTING SYLLABUS	SYLLABUS APPROVED
<p>Paper No. 3: At present no syllabus has been prescribed/ notified.</p>	<p><u>H.P.PUBLIC SERVICE COMMISSION</u></p> <p>Paper No. 3: Syllabus for Computer/IT Professional i.e. Programme Planning officer/Programmer. (including Syllabus for Computer/IT Professional i.e. Programme Planning Officer/Programmer of all other Departments of the H.P.State Government, where-ever applicable)</p> <p><u>Part-A Theoretical (75 Marks) 2 hours</u></p> <p><u>Unit-1: Networking</u></p> <ul style="list-style-type: none">• Classification of Networks• Networking Models• What is Packet Switching• Accessing the Internet• Internet Protocol (IP)• Transmission Control Protocol (TCP)• Internet Address• Structure of Internet Servers Address• Address Space• How does the Internet work• Intranet & Extranet• Internet Infrastructure• Protocols and Services on Internet• Domain Name System• SMTP and Electronic Mail• Http and World Wide Web• Usenet and Newsgroups• FTP• Telnet• Internet Tools• Search Engines• Web Browser <p><u>Unit 2 : Software Engineering</u></p> <ul style="list-style-type: none">• Evolution of Software Engineering• Software Development Models• Capability Maturity Models• Software Process Technology• Testing Techniques• Testing for Specilized Environments• Debugging

EXISTING SYLLABUS	SYLLABUS APPROVED
	<p data-bbox="607 268 1170 304">Unit 3 : Introduction to HTML</p> <ul data-bbox="662 331 1029 793" style="list-style-type: none">• What is HTML• Basic Tags of HTML• HTML Tag• TITLE Tag• BODY Tag• Formatting of Text• Headers• Formatting Tags• PRE Tag• FONT Tag• Special Characters• Working with Images• META Tag <p data-bbox="607 821 1071 856">Unit 4: Advanced HTML</p> <ul data-bbox="656 884 1136 1843" style="list-style-type: none">• Links• Anchor tag• Lists• Unordered Lists• Ordered Lists• Definition Lists• Tables• TABLE,TR and TD Tags• Cell Spacing and Cell Padding• Colspan and Rowspan• Frames• Frameset• FRAME Tag• NOFRAMES Tag• Forms• FORM and INPUT Tag• Text Box• Radio-Button• Checkbox• SELECT Tag and Pull Down Lists• Hidden• Submit and Reset• Some Special Tags• COLGROUP• THREAD, TBODY,TFOOT• <i>_blank, _self, _parent, _top</i>• IFRAME• LABEL• Attribute for <SELECT>• TEXTAREA <p data-bbox="607 1871 1211 1906">Unit 5: Introduction to Java Script</p> <ul data-bbox="656 1934 1247 2072" style="list-style-type: none">• Java Script Variables and Data Types• Declaring Variables• Data Types• Statements and Operators

EXISTING SYLLABUS	SYLLABUS APPROVED
	<ul style="list-style-type: none">• Control Structures• Conditional Statements• Loop Statements• Object-Based Programming• Functions• Executing Deferred Scripts• Objects• Message box in Javascript• Dialog Boxes• Alert Boxes• Confirm Boxes• Prompt Boxes• Javascript with HTML• Events• Events Handlers• Forms• Forms Array <p>Unit 6: Building ASP.NET Websites</p> <p>> User Controls</p> <ul style="list-style-type: none">• User Control Basics• Creating a Simple User Control• Converting a page to a User Control• Adding Code to a User Control• Handling Events• Adding Properties• Using Custom Objects• Adding Events• Exposing the Inner Web Control• Dynamically Loading User Controls• Portal Frameworks• Partial Page Caching• Vary By Control• Sharing Cached Controls <p>> Themes and Master Pages</p> <ul style="list-style-type: none">• Cascading Style Sheets• Creating a Style sheet• Applying Style sheet Rules• Themes• Theme Folders and Skins• Applying a Simple Theme• Handling Theme Conflicts• Creating Multiple Skins for the Same Control• Skins with Templates and Images• Using CSS in a Theme• Applying Themes Through a Configuration File• Applying Themes Dynamically• Standardizing Website Layout• Master Page Basics

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EXISTING SYLLABUS

SYLLABUS APPROVED

- A Simple Master
- A Simple Content
- Default Content
- Master pages with Tables and CSS Layout
- Master Pages and Relative Paths
- Applying Master Pages through a Configuration File
- Advanced Master Pages
- Interacting with the Master Page Class
- Dynamically Setting a Master Page
- Nesting Master Pages

> Website Navigation

- Pages with Multiple Views
- The Multi View Control
- The Wizard Control
- Site Maps
- Defining a Site Map
- Binding to a Site Map
- Breadcrumbs
- Showing a Portion of the Site Map
- The Site Map Objects
- Adding Custom Site Map Information
- Creating a Custom Site Map Provider
- URL Mapping
- Security Trimming
- The Tree View Control
- The Tree Node
- Populating Nodes on Demand
- Tree View Styles
- The Menu Control
- Menu Styles
- Menu Templates

Unit 7: Structured Query Language

- What is SQL ?
- Data Definition Language
- Data Manipulation Language
- Data Control
- Database Objects: Views, Sequences, Indexes and Synonyms
- Views
- Sequences
- Indexes and Synonyms
- Table Handling
- Nested Queries

Part-B Practical (25 Marks) 1 hour

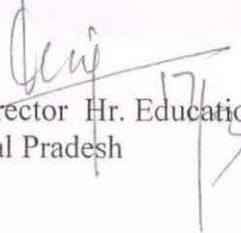
The Syllabus for Practical Examination would be the same as that of the Theoretical Examination Part-A of Paper No-3 mentioned above from Unit 1 to 7.



Directorate of Hr. Education
Himachal Pradesh

Endst. No. EDN-H(1)B(15)1/2009- Imp. Instt. Dated Shimla – 171001 the 19/3/2016
Copy for information and further necessary action is forwarded to :-

1. The Secretary H.P. board of Departmental Examination, Fairlawans, shimla-171012 to the Govt. of H.P.w.r.t. his letter No.HIPA (Exam)-20/76-VII dated 26.02.2016 for information please.
2. The Addl.Chief Secretary (Education) to the Govt. of H.P. for information please.
3. The Additional Director of Hr. Education (Adm.), H.P.
4. The Additional Director of Hr. Education (C), H.P.
5. The Additional Director of Hr. Education (S), H.P.
6. The Joint Director of Hr. Education, C-I / C-II, H.P.
7. The Joint Controller (F&A), Dte. of Hr. Education, H.P.
8. The OSD(C) / OSD(Skt.) Directorate of Hr. Education, H.P.
21. All the Deputy Directors of Hr. Education, H.P. with the remarks that same letter be circulated to offices / institutions situated in your district.
9. The Chief Librarian, Center State Library Solan.
10. The PS to the Director of Higher Education, H.P.
11. ***The Incharge Computer Cell, Dte. of Hr. Education, H.P with the remarks to upload the said orders on the deptt. Website.***
12. DDO Directorate of Hr. Education, H.P.
13. All the Superintendents Establishment branches in the Directorate of Hr. Education, H.P.
14. Guard File.


Addl. Director Hr. Education(Admn.)
Himachal Pradesh

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