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हिमाचल प्रदेश स्कूल शिक्षा बोर्ड, धर्मशाला-176213


**Himachal Pradesh Board of School Education, Dharamshala-176213**

क्रमांक: हि.शि.बो. (37) R-Cell / HPBoSE Various Exams / 16 / 3034 दिनांक 16-08-2016

**“ अधिसूचना ”**

हिमाचल प्रदेश स्कूल शिक्षा बोर्ड द्वारा विभिन्न श्रेणियों के लिए (Junior Office Assistant (Information Technology) Class-III, Computer Programmer, Binder, Driver) के लिए विज्ञापित पदों को अनुबन्ध आधार एक वर्ष के लिए जिसे प्रतिवर्ष के आधार पर बढ़ाया जा सकता है एवं Computer Hardware Engineer के लिए विज्ञापित पद को एडहॉक बेसिस पर छः महीने के अनुबन्ध पर भरने हेतु लिखित परीक्षा के लिए अभ्यर्थियों से ऑनलाईन आवेदन दिनांक 14.08.2016 तक आमन्त्रित किए गए हैं।

बोर्ड कार्यालय द्वारा उपरोक्त परीक्षाओं से सम्बन्धित लिखित परीक्षा के स्तर एवं संरचना (Structure and Standard) का निर्धारण कर दिया गया है जोकि अभ्यर्थियों की सुविधा के लिए बोर्ड की बैवसाईट [www.hpbose.org](http://www.hpbose.org) पर उपलब्ध हैं तथा उपरोक्त परीक्षाओं से सम्बन्धित किसी भी जानकारी के लिए अभ्यर्थी बोर्ड के दूरभाष न० 01892-242192, 242117, 242108 पर भी सम्पर्क कर सकते हैं।

  
(डॉ० विशाल शर्मा)

सचिव

दिनांक : 16-08-2016

पृ०संख्या: यथोपरि-3034

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

1. वरिष्ठ निजी सचिव (अध्यक्ष/सचिव)।
2. लोक सम्पर्क अधिकारी, हि०प्र० स्कूल शिक्षा बोर्ड को इन निर्देशों के साथ प्रेषित है कि वह इस अधिसूचना को समाचार पत्रों के माध्यम से प्रसारित करें।
3. अनुभाग अधिकारी (कम्प्यूटर सैल एवं डाटा सेंटर) को इस आशय से प्रेषित है कि अधिसूचना अनुसार स्तर एवं संरचना की प्रति को बोर्ड के वैबसाईट पर ऑन-लाईन करने बारे आवश्यक कार्यवाही करें।
4. अनुभाग अधिकारी, पेपर सैटिंग शाखा।
5. गार्ड फाईल।

  
(डॉ० विशाल शर्मा)

सचिव

v

No.: 29

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**Himachal Pradesh Board of School Education, Dharamshala-176213**

HB/37/Recruitment/2016/- 3023/

Dated: 3/8/2016.

**" Structure/ Standard/ Composition of Marks "**

The Structure/ Composition of Marks/Standard of Exam for the various Post are as

under:-

I. Structure of the **Junior Office Assistant (Information Technology) Class-III(On Contract Basis) Exam:-**

Number of Questions and weightage	200 Questions carrying one Marks each
Duration	2 hours
Type of Questions	Multiple choice variety with four alternatives out which only one is correct
Negative marking	No
Section of the Question Paper for Junior Office Assistant(Information Technology)	General English = 25 Marks General Hindi = 25 Marks General Knowledge (Including General Knowledge of Himachal Pradesh) = 50 Marks Current Affair, Everyday Science and Logic etc. = 25 Marks Numerical Ability/ Quantitative Aptitude = 25 Marks Clerical Aptitude/Computer =50 Marks
Standard of Exam	The standard of questions should be up to 10+2 level of the HP Board of School Education and consisting the syllabus of subject/concern field. i.e. One Year Computer Course Level.
Type Skill Test	Type Skill Test on computer of qualifying nature in prescribed speed (i.e. A minimum speed of 30 words in English typewriting or 25 words per minute in Hindi Typewriting on Computer) for those who qualify the objective type Written test. * The type skill test would be qualifying in nature, no marks will be allotted for it. The candidates for typing skill test would be called in the ratio of 1:10 on the basis of written exam. Those who qualify the Test would be invited for interview strictly on the basis of the written Exam.
Interview	Interview of those who qualify the Type Skill Test = 30 Marks (15% of total Written Test Marks) * Selected candidates on the basis of merit, who qualify the Type Skill Test called for Interview in the ratio of 1:3

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2. Structure of the **Computer Programmer** (On Contract Basis) Exam

Number of Questions and weightage	200 Questions carrying one Marks each
Duration	2:30 hours
Type of Questions	Multiple choice variety with four alternatives out which only one is correct
Negative marking	No
Section of the Question Paper for <b>Computer Programmer</b>	<p>General English = 25 Marks General Hindi = 25 Marks General Knowledge (Including General Knowledge of Himachal Pradesh) Current affair = 25 Marks Numerical Ability/ Quantitative Aptitude = 25 Marks Concern field = 100 Marks</p> <p><b>(Programming Concepts:</b> Programming languages, analysis and design of algorithms, programming in C Language. <b>System Software:</b> Operating system fundamentals and services, OS Process concepts, memory, managements, file and I/O management, protection and security. anti-virus, device drivers, machine and assembling language, compilers, interpreters, linkers, loaders, Linux and shell programming, Installing and configuring Unix, Linux and Windows. <b>Data Structures:</b> Fundamentals, linear and non-linear data structures, stacks, queues, linked Lists, multilinked Lists, sorting, searching, time and space complexity. <b>Database Management System:</b> Fundamentals, relational model, language and systems (SQL &amp; PL/SQL), database design, transaction concepts, data protection, concurrency control &amp; recovery techniques, database design, data mining and data ware housing. <b>Web Technologies and Multimedia Systems:</b> Fundamentals, web browsers, protocols, searching and download technologies, web servers and securities, web design and mark-up languages, designing of dynamic functionality in web pages, scripting languages, middleware architecture and cyber laws. <b>OOPS and Applications:</b> Object oriented programming concepts, object oriented analysis and design, JAVA and C ++ programming language concepts &amp; design methods, application software, Visual programming techniques. <b>Software Engineering:</b> The software development process, software requirements and specification, software design techniques, techniques for developing large software systems, software development environments, software testing, documentation and maintenance.)</p>
Standard of Exam	The standard of question for English, Hindi, General Knowledge etc, Numerical Ability/ Quantitative Aptitude would be upto 10+2 level of HP Board of School Education and consisting the syllabus of concern field i.e MCA/B.E./B.Tech.in IT/CS level.
Interview	<p>Interview of those who qualify the Written Test = <b>30 Marks</b>(15% of total Written Test Marks)</p> <p>* Selected candidates on the basis of merit, who qualify the Written Test called for Interview in the ratio of 1:3</p>

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3. Structure of the **Binder** (On Contract Basis) Exam

Number of Questions and weightage	100 Questions carrying one Marks each
Duration	2 hours
Type of Questions	Multiple choice variety with four alternatives out which only one is correct
Negative marking	No
Section of the Question Paper for <b>Binder</b>	General English = 25 Marks General Hindi = 25 Marks General Knowledge (Including General Knowledge of Himachal Pradesh) = 50 Marks
Standard of Exam	The standard of question should be up to 10+2 level of the HP Board of School Education and consisting the syllabus of subject/concern field.
Interview	Interview of those who qualify the Written Test = 15 Marks (15% of total Written Test Marks)  * Selected candidates on the basis of merit, who qualify the Written Test called for Interview in the ratio of 1:3

4. Structure of the **Driver**(On Contract Basis) Exam

Practical Test	A) Knowledge of Traffic rules and road signs = 25 Marks b) Knowledge of various type of engines and machinery = 25 Marks c) Driving Skills = 35 Marks
Interview	Interview of those who qualify the Practical Test = 15 Marks  * Selected candidates on the basis of merit, who qualify the Written Test called for Interview in the ratio of 1:3

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**Himachal Pradesh Board of School Education, Dharamshala-176213**5. Structure of the **Computer Hardware Engineer** {(On Adhoc Basis) for the period of six month on contract} Exam

Number of Questions and weightage	200 Questions carrying one Marks each
Duration	2:30 hours
Type of Questions	Multiple choice variety with four alternatives out which only one is correct
Negative marking	No
Section of the Question Paper for <b>Computer Hardware Engineer</b>	<p>General English = 25 Marks General Hindi = 25 Marks General Knowledge (Including General Knowledge of Himachal Pradesh) Current affair = 25 Marks Numerical Ability/ Quantitative Aptitude = 25 Marks Concern field = 100 Marks</p> <p><b>(Computer Hardware and Architecture:</b> Fundamentals, number systems, combinational and sequential circuits, organization of digital computer, storage systems, I/O devices, elements of microprocessors and microcomputers, parallel computing, electrical requirements of various hardware processors/devices, inter - connections between units, connectors and cables, primary and secondary storage, hardware troubleshooting.</p> <p><b>System Software:</b> Operating system fundamentals and services, OS Process concepts, memory managements, file and I/O management, protection and security. anti-virus, device drivers, machine and assembling language, compilers, interpreters, linkers, loaders, Linux and shell programming, Installing and configuring Unix, Linux and Windows.</p> <p><b>Computer Networks:</b> Computer networks, protocols, OSI and TCP/IP reference model, data transmission, encoding schemes, multiplexing, layering technologies, transmission media LAN and WAN technology and network security, wireless networks, familiarization with various network devices, connectors and cables, sharing resource and advance sharing setting, installing proxy server, mail server and web server, client-server computing, client-side and server-side technologies, network troubleshooting, concepts on mobile computing, grid computing, cloud computing, soft computing techniques.</p>
Standard of Exam	The standard of question for English, Hindi, General Knowledge etc., Numerical Ability/Quantitative Aptitude would be upto 10+2 level of HP Board of School Education and consisting the syllabus of concern field i.e B.E./B.Tech.(Electronics) level.
Interview	Interview of those who qualify the Written Test = <b>30 Marks</b> (15% of total Written Test Marks)  * Selected candidates on the basis of merit, who qualify the Written Test called for Interview in the ratio of 1:3

SECRETARY

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