

UNIVERSITY OF PUNE



Examination Section

Ganeshkhind
Pune-411007

Tel : 020-25601218

Fax : 020-25697388

Ref. : Exam. Co.ord./1273

Date : 12.09.2009

To,

Principals,
All affiliated Colleges of Engineering,

Sir,

I am directed to forward the requirements for conduction of Online Examination for Subject of 'Fundamentals of Programming Languages'. Please ensure fulfillment of the said requirements at your end.

Regards,

A handwritten signature in black ink, appearing to be 'S. J. ...'.

Deputy Registrar,
Exam. Co-ordination

Encl. : Requirement of Online Examination.

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Examination Section – Online Examination Project.

Strategy:

Replication Server based online examination: A College server will act as a server for college level examination and will communicate to University server continuously. Client machines in college will access examination system through this replication server. Logs and records will be maintained locally at replication server and main server at University. Controls of examination will be at replication server at college level for Examiners console only. All administrative and Database (Question bank and student records, Result generation) will be controlled by University Server.

Examination Scheme:

As per S.E. Practical Examination. All rules and regulation made during first CD based examination will govern this examination in addition to regular practical examination of S.E. Remuneration will be as per S.E. Practical examination. No Senior Supervisor from outside. Principals of affiliated colleges will govern and control the examination at respective centres.

Requirements for True Online Examination:

Server Side at college level:

1. Server: Server grade machine with 04/08 GB RAM, Online UPS backup for Server and router at Server room or other connected in network.
2. Router : To Support lease line of 20Mbps and above with hot swap if possible
3. Server should be with gigabyte Ethernet.

Network:

1. Minimum. no. of machines on network = Intake capacity of F.E. * 0.3 = 30 % of sanctioned intake capacity.
2. Server, Router at server location as well those in lab, should be with online UPS backup, with generator facility for additional backups.
3. Ensure minimum download speed on every machine is **8KBps (not 8kbps)**., while all machines are downloading without any downloader accelerator.
4. College has to provide minimum 02 static IPs to gain access to university server. No other machines will be allowed to access the university examination server.

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5. Ensure, While exam is running , examination network should be isolated network and possibly, this should be only network connected to internet and access should be to university prescribed sites during period of examination. (Firewalls should be set accordingly.)

Internet Connectivity:

1. Ensure min **2Mbps dedicated** line is available at campus and this should be utilised only for examination purpose during examination period. If institute has shared line, ensure 2Mbps available during exam period.
2. Minimum Backup line of 512 Kbps should be available to conduct / conclude the examination, if main line has got some interruptions / Problems.
3. Ensure Utilisation and Speed graph for at least three working days, during peak hours are supporting 08 KBps speed for every machine on network.
4. Please Check bandwidth available during peak hours and noon hours, particularly for wireless connectivity institutes.

Client Machines:

1. Ensure all machines- disk drives are formatted and minimum software should be installed on machines in order to get better speed and connectivity.
2. Configuration : P –IV and above processor with 512 MB RAM, 100 Mbps Ethernet connectivity.
3. Software Required: Internet Explorer 6.0 and above / Mozilla Firefox 2.0 and above.
4. **Antivirus – with latest update on every machine.**

Manpower:

1. System administrator – Min 01, Network Administrator – Min 01
2. Examiners : One Internal at every exam location, One Lab asst.
3. External Examiner: One per Institute / Exam Centre.

Remuneration:

1. As per S.E. Practical Examinations. Details will be communicated in due course.

Information Required from colleges:

1. Regarding Server, Lease line, client machines and network --- As per prescribed format.
2. Graphs of Lease line utilization and bandwidth availability.

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3. Summary of Student appearing for Backlog examination of CFL with probable batch formation.

Kindly note that the requirements asked during CD based examination are applicable as well and the above requirements are additional to these requirements.

In case of Details and Queries please contact:

1. Prof. G. V. Garje. --- Chairman BOS, PVG COET, Pune 9850809413
2. Prof. R.S. Talware --- VIIT, Pune 9890642431
3. Prof. S.S. Sane --- K.K. Wagh COE, Nasik. 9890014942
4. Mr. P.S. Jadhav --- Dy. Registrar, Exam Co-ordination 020-25601206