

# HIGH COURT OF MANIPUR

## QUESTION PAPER BOOKLET

FOR RECRUITMENT OF SENIOR TECHNICAL OFFICER  
AND TECHNICAL ASSISTANT

Venue: High Court of Manipur

Date: 29-04-2017

Time Allowed: 1(One) hour.

Full Marks: 50

No. of Pages in this Booklet : 7 (Excluding cover)

No. of Questions : 50

### Instructions:

1. After receiving the Question Paper Booklet candidates are to carefully examine the Booklet and tally the number of pages and number of questions in the Booklet with the information printed above and if any discrepancies is found he/she should get it replaced immediately by a correct Booklet from the invigilator within the period of 5 minutes.
  2. This paper consists of fifty multiple-choice type questions. Each question carries one mark. There will be negative marking of 0.25 for each incorrect answer.
  3. Overwriting or attempting more than one option in a Question will fetch negative mark.
  4. Rough Work may be done in the extra sheet provided at the end of this booklet.
  5. Candidates have to return the answer sheet to the invigilators before leaving the Examination Hall/Room. However, they are allowed to carry the question paper booklet on conclusion of the Examination.
  6. Candidates must observe complete silence and shall not copy from other candidates or allow his/her own paper to be copied.
  7. Candidates found violating the above mentioned rules will be liable for expulsion from the Examination Hall/Room and disqualification from the Examination or any other punishment as deem fit by the authority.
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1. Which file is read by init to get the default run level in Linux?

[A] /etc/profile

[B] /etc/init

[C] /etc/boot

[D] /etc/inittab

2. For every successful login, which script will be executed in linux??

[A] /etc/login

[B] /etc/inittab

[C] /etc/profile

[D] /etc/init

3. Which is true for router?

[A] It has 3 layers of security.

[B] Routers don't just route traffic to other networks, they learn which are the fastest routes and use them first.

[C] Router works in data-Link layer of the OSI Model

[D] Routers are not manageable.

4. Shell is ?

[A] Command Interpreter

[B] Interface between Kernel and Hardware

[C] Interface between user and applications

[D] Command Compiler

5. The file permission 764 means:

[A] Every one can read, group can execute only and the owner can read and write

[B] Every one can read and write, but owner alone can execute

[C] Every one can read, group including owner can write, owner alone can execute

[D] Every one can read and write and execute

6. Network Address Translation(NAT) advantages are

- [A] It will to allow a single Internet IP address to be shared on a network by multiple devices.
- [B] Technique to conserve IPv4 address space.
- [C] Both [A] & [B]
- [D] None of the above.

7. For TCP and UDP which is true

- [A] UDP is more reliable than TCP.
- [B] TCP is more reliable than UDP.
- [C] TCP is slower than UDP
- [D] Both [B] & [C]

8. Which UPS are more reliable for uses

- [A] offline UPS
- [B] line-interactive UPS
- [C] online UPS
- [D] Both [C] ans [B]

9. Which command is used to know the Linux version?

- [A] uname
- [B] lname
- [C] vname
- [D] sname

10. To display disk consumption of a specific directory which command is used?

- [A] dd
- [B] du
- [C] dt
- [D] dl

11. Routing is done on which layer?

- [A] Datalink Layer
- [B] Network Layer
- [C] Session Layer
- [D] Presentation layer

12. What is true in case MAC address in a networking device.

- [A] The address is assigned dynamically
- [B] It is not constant
- [C] 128 bit
- [D] It is constant and do not change

13. What is the full form of abbreviation http?

- [A] Hyper Text Transmission Protocol
- [B] Hyper Text Transfer Protocol
- [C] Hyper Tension Transfer Protocol
- [D] Hyper Text Test Protocol

14. 'OCR' stands for?

- [A] Optimal Code Recognition
- [B] Optical Code Recognition
- [C] Optical Character Recognition
- [D] Optimal Character Recognition

15. Internet Protocol version 4 (IPv4) uses. ?

- [A] 32 bit
- [B] 64 bit
- [C] 128 bit
- [D] 8 bit

16. Full form of SSL is?

- [A] Secure Sockets Laptop
- [B] Secure Sockets Layer
- [C] System Sockets Layer
- [D] Secure System Layer

17. Expand the term VLAN

- [A] Virtual local area network
- [B] Voice area network
- [C] Visual area network
- [D] Virtual area network

18. RJ45 UTP cable has \_\_\_\_\_ cables?

- [A] 2 pairs
- [B] 3 pairs
- [C] 4 pairs
- [D] 5 pairs

19. Which of the following is true in case of Null value in the case of a database table?

- [A] Null = 0
- [B] Null < 0
- [C] Null < > 0
- [D] Null > 0

20. The Primary Key of a database table must be

- [A] Not Null
- [B] Unique
- [C] Option A or B
- [D] Option A and B

21. What is Unicode?

- [A] Standard font
- [B] Character encoding system
- [C] Software
- [D] Keyboard layout

22. The primary goal of the ..... protocol is to provide a private channel between communicating application, which ensures privacy of data authentication of the partners, and integrity.

- [A] ESP
- [B] SSL
- [C] TSL
- [D] PSL

23. Which of the following describes an email that is sent to users with web links that direct them to malicious websites?

- [A] Viruses
- [B] Man-in – the -middle
- [C] Phishing
- [D] Rouge access points

24. .... Involves treating main memory as a resource to be allocated to and shared among a number of active processes.

- [A] Disk management
- [B] Partition management
- [C] Memory management
- [D] All of the above

25. A process that execute only in main memory is referred to as ..... and that allocated in disk is referred to as .....

- [A] virtual memory, true memory      [B] virtual memory, real memory  
[C] real memory, virtual memory      [D] imaginary memory, real memory

26. File management function of the operating system includes

- i) File creation and deletion
- ii) Disk scheduling
- iii) Directory creation
- iv) Mapping file in secondary storage.

- [A] i, ii and iii only      [B] i, iii and iv only  
[C] ii, iii and iv only      [D] All i, ii, iii and iv

27. The sum of the seek time, and the rotational delay in the case of Hard Disk is called the

- [A] reached time      [B] access time  
[C] arrived time      [D] common time

28. A thread is a ..... process.

- [A] heavy weight      [B] multiprocess  
[C] light weight      [D] inter thread

29. Which of the following characteristics are normally used to describe a printer/scanner:

- [A] RPM, DPI      [B] CPS, RPM  
[C] PPM, DPI      [D] BPS, RPM

30. As OS program module that selects the next job to be admitted for execution is called as .....

- [A] compiler      [B] throughput  
[C] scheduler      [D] dispatcher

31. Monitoring of UPS can be done using

- [A] SNMP Protocol      [B] FTP Protocol  
[C] IGBT Protocol      [D] None of the above

32. Unified Threat Management (UTM) security solution provides
- [A] Functions such as: antivirus, anti-spyware, anti-spam, network firewalling, intrusion detection and prevention, content filtering and leak prevention.
  - [B] Remote routing, network address translation (NAT), and virtual private network (VPN) support
  - [C] Both [A] & [B]
  - [D] None of the above
33. Which protocol does Ping use?
- [A] TCP
  - [B] ARP
  - [C] ICMP
  - [D] None of the above
34. Which of the following terms is used to describe a hardware- or software-based device that protects networks from outside threats?
- [A] Modem
  - [B] Firewall
  - [C] Gateway
  - [D] Hub
35. The process is .....
- [A] an instance of a program in execution
  - [B] a program only
  - [C] a processor state
  - [D] the kernel state
36. Which directory implementation is used in most of the Operating System?
- [A] single level directory structure
  - [B] two level directory structure
  - [C] tree directory structure
  - [D] acyclic directory structure
37. Video recording is being done by two cameras at 25 FPS and 32 FPS. Which one will give the better quality video.
- [A] Both are same
  - [B] The one with 32 FPS
  - [C] The one with 25 FPS
  - [D] Cannot be decided on the basis of FPS

38. Which of the following devices assigns IP address to devices connected to a network that uses TCP/IP?  
[A] DNS Server [B] DHCP Server [C] Gateway [D] Hub
39. Which of the following devices connect various devices to a local area network that uses TCP/IP?  
[A] DNS Server [B] DHCP Server [C] Gateway [D] switch
40. Which of the following is true for a MFD Printer for general user level office use.  
[A] Printing speed of 25 ppm or more and Print & Scan resolution of 600 X 600 dpi  
[B] Can print, scan and copy [C] Can print & scan [D] Both [A] & [B]
41. Which is not true for Storage Area Network (SAN)  
[A] An array of disk drives in a self-contained unit.  
[B] SANs serve as pools of storage for the servers in the network  
[C] Treating all storage as a single resource makes disk maintenance and routine backups difficult to schedule and control.  
[D] Compared to managing disks attached to each server, SANs improve system administration.
42. Which is not true for Network Attached Storage (NAS)  
[A] The NAS is a specialized file server that connects to the network like any other workstation or server  
[B] variable traffic and erratic behavior of the network affects NAS  
[C] NAS mostly act as a file server  
[D] NAS is generally used to run software applications which require fast access and quick response.
43. At highest level, a Data flow diagram (DFD) is referred to as:  
[A] Scope Diagram [B] Level 1 DFD [C] Context Diagram [D] Level 2 DFD
44. What is the default port number for Apache and most web servers?  
[A] 27 [B] 87  
[C] 20 [D] 80

45. What is true in case of Intrusion Prevention System (IPS) network security device.
- [A] The IPS often sits directly behind the firewall and it provides a complementary layer of analysis for dangerous content.
  - [B] The IPS is placed inline, actively analyzing and taking automated actions on all traffic flows that enter the network.
  - [C] IPS is a network security/threat prevention technology that examines network traffic flows to detect and prevent vulnerability exploits.
  - [D] All the above.
46. The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement speciality caled
- [A] Robotics
  - [B] Simulation
  - [C] Computer Forensics
  - [D] Animation
47. Gantt chart is used in
- [A] hardware management
  - [B] while preparing DFD
  - [C] software project management
  - [D] All of the above
48. In VPN connection
- [A] data travels over the Internet securely through a tunneling protocol, where it is encrypted.
  - [B] Secure Sockets Layer (SSL) or Secured Internet protocol security (IPSec) is used To provide encryption.
  - [C] The tunneling protocol also encapsulates, or wraps, the data with routing information for the receiving user.
  - [D] All the above.
49. The Data flow diagram (DFD) shows;
- [A] the flow of data
  - [B] the processes
  - [C] the areas where they are stored.
  - [D] All of the above
50. In Data flow diagram (DFD) which symbol represent process
- [A] Circle
  - [B] rectangle
  - [C] square
  - [D] rombus

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# ROUGH WORK