

UP Board 10 Computer - 836 - 2023 Question Paper with Solutions

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| Time Allowed :3 Hours 15 Minutes | Maximum Marks :70 | Total Questions :96 |
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. The test is of 3 hours 15 Minutes duration.
2. The question paper consists of 96 questions.
3. In Section - B, there are 20 short Solution type questions, each carrying 2 marks, out of which any 10 questions are to be Solved. Apart from these, there are 6 long Solution type questions, each carrying 5 marks, out of which any 3 questions are to be Solved.
4. Minimum 30% marks in each subject (30 out of 100 for theory, adjusted for practicals where applicable).
5. Use of any electronic appliances is strictly prohibited.

1. What is the TCP/IP Protocol which is used for remote terminal connection service?

- (A) FTP
 - (B) TELNET
 - (C) UDP
 - (D) RARP
-
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1. Who founded the Linux Kernel?

- (A) Linus Torvalds
 - (B) Richard Stallman
 - (C) Bill Gates
 - (D) Ben Thomas
-
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1. Which of the following commands is used to change the working directory?

- (A) cd
 - (B) dir
 - (C) changed
-
-

1. The full form of OSS is:

- (A) Open Source Software
 - (B) Original Source Software
 - (C) Open System Software
 - (D) Original System Software
-

1. Which Linux command is used to count the total number of lines, words, and characters contained in a file?

- (A) wc
 - (B) countw
 - (C) wcount
 - (D) count
-

1. Which topology is best suited for large businesses, that must carefully control and coordinate the operation of distributed branch outlets?

- (A) Ring
 - (B) Local Area
 - (C) Hierarchical
 - (D) Star
-

1. A collection of hyperlinked documents on the internet forms the:

- (A) World Wide Web (WWW)
 - (B) E-mail system
 - (C) Mailing list
 - (D) Hypertext Markup Language (HTML)
-

1. Which software prevents the external access to a system?

- (A) FTTR
 - (B) Gateway
 - (C) Firewall
 - (D) Virus Checker
-

10. The full form of HTTP is:

- (A) Hyper Terminal Tracing Program
- (B) Hyper Text Tracing Protocol
- (C) Hyper Text Transfer Protocol

(D) Hyper Text Transfer Program

1. What kind of transmission medium is most appropriate to carry data in a computer network that is exposed to electrical interferences?

- (A) Unshielded twisted pair
 - (B) Optical fibre
 - (C) Coaxial cable
 - (D) Microwave
-

1. In the e-mail address xyz@dfg.edu, "xyz" is the:

- (A) password
 - (B) server name
 - (C) username
 - (D) client computer
-

14. FSF stands for:

- (A) Free Software Foundation
 - (B) File Server First
 - (C) Free Software File
 - (D) File Software File
-

1. .net domain name is used for:

- (A) Educational institution
 - (B) Internet infrastructure and service providers
 - (C) International organization
 - (D) None of these
-

1. World Wide Web was proposed by:

- (A) Bill Gates
 - (B) Bill Rogers
 - (C) Tim Berners-Lee
 - (D) Steve Jobs
-

1. Which of the following is not an internet browser?

- (A) Netscape Navigator
 - (B) Chrome
 - (C) Drupal
 - (D) Opera
-

2. Which command is used to display the name of the operating system?

- (A) OS
 - (B) Unix
 - (C) Kernel
 - (D) Uname
-

1. Unix is which kind of operating system?

- (A) Multiuser
 - (B) Multiprocessing
 - (C) Multitasking
 - (D) All of these
-

1. Every webpage has a unique address called:

- (A) URL
 - (B) ARL
 - (C) RVL
 - (D) LUR
-

1. Which feature is used to identify messages by category or topic?

- (A) Flag
 - (B) Block
 - (C) Vacation
 - (D) Forward
-

1. Write the full form of WAN.

- (A) Wide Area Network
- (B) Wireless Area Network
- (C) World Area Network
- (D) Web Area Network

1. What is GUI?

- (A) General User Interface
 - (B) Graphical User Interface
 - (C) Global User Interface
 - (D) Graphical Unified Interface
-

1. Write the 2's complement of 1100.

1. Write the truth tables of OR and AND gates.

1. Write the full form of EBCDIC.

1. What is the ASCII code of "A" and "a"?

1. Define array.

1. What is an SMTP client?

1. What does ASCII stand for?

1. What are the four rules of binary addition?

1. (a) What is a peer-to-peer network?

(b) What is a proxy server?

(c) What is a URL?

(d) What are the advantages of Linux?

(e) What are the advantages of open source?

1. (a) Arrange the following in correct order of units of storage from lowest to highest: a megabyte, a kilobyte, a terabyte, a nibble, a gigabyte, a byte, a bit.

(b) What is ULO?

(c) Explain the Virtual Desktop.

(d) What is the 'grep' command?

(e) How do you terminate an ongoing process?

1. (a) Write, in brief, a note on searching and sorting with examples.

(b) What is the basic difference between BASH and DOS?

(c) What is an Internet Service Provider (ISP)? Explain.
