



FINAL EXAMINATION

MARCH 2024

COURSE TITLE	INTERNET PROGRAMMING
COURSE CODE	RCIT3623
DATE/DAY	22 JUNE 2024 / SATURDAY
TIME/DURATION	05:00 PM - 07:00 PM / 02 Hour(s) 00 Minute(s)

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(This Question Paper consists of 7 Printed Pages including front page)

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This question paper contains TWO (2) sections. Please answer ALL questions in the answer booklet. [70 MARKS]

SECTION A

(60 Marks)

There are THIRTY (30) questions this part of the examination paper. Answer ALL questions in the answer booklet.

1. What is chunking?
 - A. Repeating information over and over to help memorize it.
 - B. Breaking a long list of pieces of information into smaller groups.
 - C. Aggregating several pieces of information into coherent groups to make them easier to remember.
 - D. None of the above.

2. The people included in an HCI study might include _____ .
 - A. mobile Device Users.
 - B. desktop or Laptop Computer Users.
 - C. users who have Technology Embedded in Wearable Items.
 - D. all of the above.

3. Which of the following are factors to consider in designing usable interfaces?
 - A. The users' expertise and experience with computers.
 - B. The impact the interface will have on the cost of the system.
 - C. The efficiency of the code that runs the system.
 - D. None of the above.

4. What are the most common file types used in websites?
 - A. HTML, JavaScript and Word
 - B. HTML, JavaScript, CSS and Images
 - C. HTML and XML
 - D. HTML, JavaScript, CSS and Excel

5. When considering the visual design of a website, which of this approach was recommended?
 - A. Using shocking colors to get attention.
 - B. Adding as much information as possible to our pages.
 - C. Using more techniques because we want to include every skill we've learned.
 - D. Consider how the site will appear to users and seek feedback from potential users.

6. Which network protocol is used to transmitting hypermedia files such as HTML (web files) ?
- A. FTP
 - B. SMTP
 - C. HTTP
 - D. SSH
7. A computer on the internet is identified by _____ .
- A. email address
 - B. IP address
 - C. server address
 - D. FTR address
8. The main page on a website is known as a _____ .
- A. bookmark page
 - B. content page
 - C. home page
 - D. navigator page
9. MP4, MOV and AVI are used as extensions for files which store _____ .
- A. video
 - B. audio
 - C. image
 - D. executable program
10. Which software prevents the external access to a system?
- A. Firewall
 - B. Gateway
 - C. Router
 - D. Virus checker
11. If a university sets up a web-based information system that faculty could access to record student grades and to advise students, that would be an example of a _____ .
- A. CRM
 - B. intranet
 - C. ERP
 - D. extranet

12. The FTP protocol stands for _____ .
- A. files transfer program
 - B. file transfer protocol
 - C. file transmigrate protocol
 - D. file transfer protection
13. Which one of the following extends a private network across public networks?
- A. local area network
 - B. virtual private network
 - C. enterprise private network
 - D. storage area network
14. A _____ is a set of rules that governs data communication.
- A. frame
 - B. protocol
 - C. standard
 - D. packet
15. The two basic types of signals are analog and _____ .
- A. digilog
 - B. digital
 - C. vetilog
 - D. sine wave
16. Software for organizing storage and retrieval of information is _____ .
- A. Canva
 - B. Database Management system (DBMS)
 - C. Publishing software
 - D. Operating system
17. An important first step in designing your website is to _____ .
- A. choose background colour
 - B. identify target user groups
 - C. develop feedback form
 - D. determine navigation
18. Website should use multimedia _____ .
- A. as much as possible to be impressive
 - B. never due to download time
 - C. sparingly to support the intent of the site
 - D. only audio and not video

19. Morphing is also related to _____ .
- A. text
 - B. sound
 - C. animation
 - D. none of the above
20. The domain name "gov" stands for _____ .
- A. us government
 - B. any government
 - C. developed nations
 - D. none of the above
21. Which of this is **NOT** a good web design step?
- A. Know your audience
 - B. Create complex website
 - C. Create easy-to-use website
 - D. Reduce complexity
22. Optimal solution for web content creation is _____ .
- A. use as many images as possible
 - B. site complexity
 - C. use as much text and colours as you possibly can
 - D. use short and concise phrases
23. The detail below are good design practices **EXCEPT** _____ .
- A. use high contrast between text and background
 - B. use lots of white space
 - C. simplify your website
 - D. put key navigation buttons as footer
24. Describe mobile responsive website.
- A. Website with dialogue boxes and feedback form
 - B. Website that is updated often
 - C. Website that is designed to respond and adjust to mobile devices
 - D. None of the above.
25. WHOIS is a query and response protocol that is widely used for querying databases that store the registered users of an Internet resource, such as a _____ .
- A. HTML
 - B. domain name
 - C. country name
 - D. none of the above

26. Many non-profit institutions have websites in order to promote their work and acquire donations (e.g., NGO). What domain do they usually use?
- A. .edu
 - B. .gov
 - C. .org
 - D. .com
27. Which of the following options allows us to access our e-mail from anywhere?
- A. Forum
 - B. Weblog
 - C. Message Board
 - D. Webmail interface
28. What is the term for unsolicited email?
- A. Spam
 - B. Backbone
 - C. Usenet
 - D. News group
29. SMTP is a _____.
- A. networking protocol
 - B. protocol used for transferring message
 - C. security tool
 - D. encryption standard
30. Documents converted to _____ can be published to the web.
- A. MS Word document file
 - B. machine language
 - C. http
 - D. HTML

SECTION B

(40 Marks)

There are **THREE (3)** questions in this part of the examination paper. Answer **ALL** questions in the answer booklet.

QUESTION 1

Explain the process of creating a form using HTML and styling it using CSS. Provide a sample code snippet and discuss the key elements involved. (15 marks)

QUESTION 2

Explain the role of ASP.NET Web API in building RESTful web services. Discuss its key features and advantages. (10 marks)

QUESTION 3

Compare and contrast C++ and C# programming languages in terms of syntax, memory management, and platform compatibility. (15 marks)

***** END OF QUESTION PAPER *****

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