



FACULTY OF MANAGEMENT

DEPARTMENT

INFORMATION & KNOWLEDGE MANAGEMENT

MODULE INTERNET INFRASTRUCTURES

CODE ILK2307/IMA8X04

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DURATION 3 HOURS

TOTAL MARKS 100

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INSTRUCTIONS TO CANDIDATES:

- ANSWER ALL THE QUESTIONS.

SECTION A

QUESTION 1

The Internet as an infrastructure and the Web environment make use of multiple technologies and protocols. What do the following acronyms stand for?

- 1.1 ADSL
- 1.2 VPN
- 1.3 DNS
- 1.4 IPv4
- 1.5 PPP
- 1.6 SSH
- 1.7 SMTP
- 1.8 VOIP
- 1.9 TCP/IP
- 1.10 WiFi

[10]

QUESTION 2

- 2.1 Differentiate between the Internet, intranet and extranet? (5)
- 2.2 Name and describe five characteristics of ambient intelligence. (10)

[15]

QUESTION 3

As an Information Management consultant you have been contracted by a large multinational company looking at expanding their business into the Mobile Internet environment. They have requested that you prepare a report reflecting on how the mobile Internet is impacting on our daily lives. In the answer for this question, apply what you have learned in this module and reflect on at least eight (8) areas where the mobile Internet has impacted on.

[25]

QUESTION 4

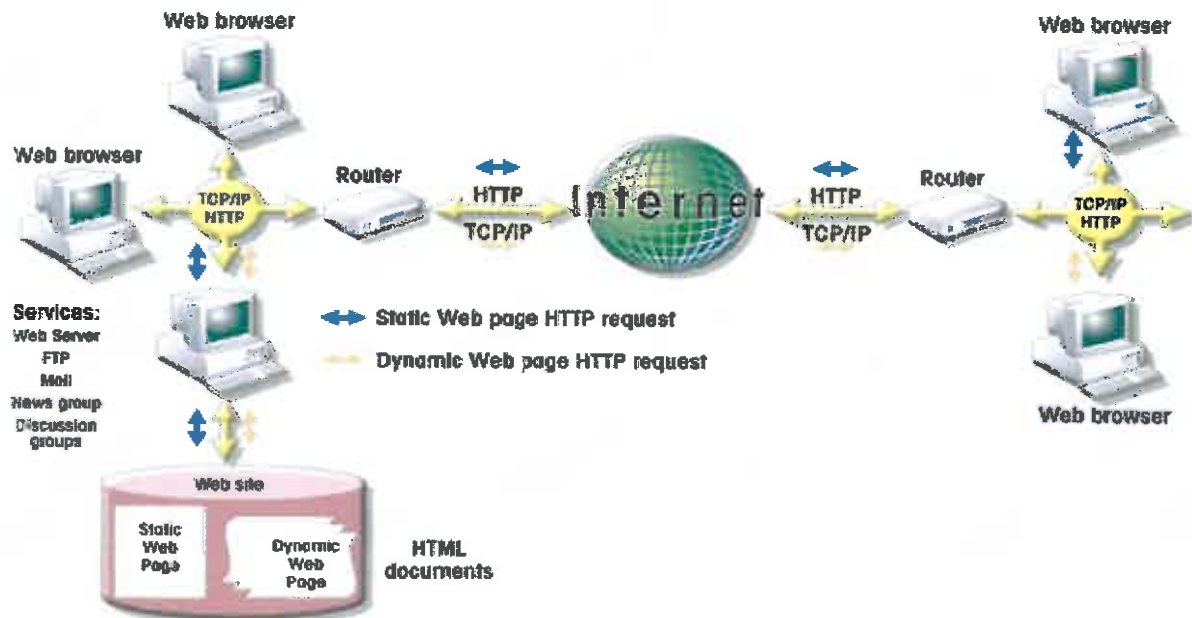
After the completion of the Opinion Papers (OPs) and Research Reports (RRs) for this module, apply your mind and give your opinion on how do you see Internet technologies developing in the next decade in terms of the following:

- Internet2
- E-commerce & M-Commerce
- Ambient intelligence
- Cloud computing
- Cell phone networks

[25]

QUESTION 5

The following diagram reflects the working of an Internet infrastructure. You as Information management consultant have been contracted by the management of a medium sized business to consult on the use of Internet technologies inside their business environment. Apply what you have learned in this module to define and explain in detail each component and how they interact. In addition place the Internet, intranet, and extranet in context for this business environment.



[25]

Total: [100]

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