



**FACULTY OF ENGINEERING AND ENVIRONMENT
DEPARTMENT OF GEOMATICS AND SURVEYING
COMPUTER APPLICATIONS**

EGS 3102

Final Examination Paper

This examination paper consists of 3 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Mr. C. Musiiwa

INSTRUCTIONS

1. Answer **ALL** Questions

1. Define the following terms

- a) Internet [2]
- b) Intranet [2]
- c) Internet Cache [2]
- d) FTP [2]
- e) URL [2]
- f) I.P address [2]
- g) Array [2]
- h) Network I.D [2]

2. State any six advantages of using PHP [6]

3. Complete the table below

IP ADDRESS	CLASS	HOST ID	NETWORK ID
214.126.25.34	?	?	?
120.54.43.16	?	?	?
199.111.255.225	?	?	?
176.233.45.27	?	?	?
122.127.15.22	?	?	?
211.122.24.33	?	?	?

[18]

4. PHP is a **server-side scripting** language and it is also a **loosely typed** programming language. Briefly explain the terms in bold. [6]

5. (a) What is a cookie? How created and destroyed? [4]

Section B

6. Recall and write an **HTML** code snippet which produces the *list* of Trigonometrical Beacons below.

1. 255/T
2. 145/S
3. 170/P
4. 200/T

[10]

7. A female Land Survey Technician called Tadiwanashe Gabriela created a table of all Trigonometrical beacons that she used to do beacon relocation survey. Using **HTML**, write a code that will produce the output below.

Name	Number
Zenungu	144/T
Stanecot	245/S
Rangemore	44/P

[10]

8. Demonstrate the use of the following functions in **PHP** using code snippets

1. strpos() function
2. strtolower () function
3. strtoupper () function
4. strlen () function

[5]

[5]

[5]

[5]

9. Write the php code for a small survey company program that writes "**Have a nice weekend!**" if the current day is Saturday, and "**Have a nice Sunday!**" if the current day is Sunday. Otherwise, the output is "**Have a nice day!**"

[10]

End of Examination