**Section 1 Questions and Answers**

a. Using simple code, explain what kind of situations would you use the methods:

i. GET

ii. POST

iii. UPDATE

iv. PUT

**i. GET Method is used to get values submitted via HTTP GET method**

**<?php**

**$\_GET['variable\_name'];**

**?>**

**ii. POST Method is used to get values submitted via HTTP POST method**

**<form action="index.php" method="POST">**

**First name: <input type="text" name="firstname">**

**Last name : <input type="text" name="lastname">**

**<input type="submit" value="Submit">**

**</form>**

b. Explain in your own words, what kind of “authentication” works best for a web service

that needs to be secure, yet easy to implement across different programming languages.

You may want to give an example of how to call this API.

**HTTP Basic authentication is a method for the client to provide a username and a password when making a request.**

**Ex:**

**<?php**

**$url = 'api\_url';**

**$username = 'user\_id';**

**$password = 'password';**

**$ch = curl\_init();**

**curl\_setopt($ch, CURLOPT\_URL, $url);**

**curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);**

**curl\_setopt($ch, CURLOPT\_USERPWD, "$username:$password");**

**curl\_setopt($ch, CURLOPT\_HTTPAUTH, CURLAUTH\_BASIC);**

**$output = curl\_exec($ch);**

**$info = curl\_getinfo($ch);**

**curl\_close($ch);**

**?>**

c. What kind of format is best to be returned by an API as a response? Explain your

answer and provide comparisons, if needed.

**JSON format is the best way to returned by an API as a response.**

**EX:**

**{**

**"data": {**

**"id": 1,**

**"name": "user\_name"**

**}**

**}**