1.

a. I would like to prefer professionals who have expertise in the areas of Development, Database, Testing and Network Engineer and also would prefer to be a good team player.

b. Firstly, I would analyze the requirements of the new feature and whether it is related to any existing feature.

c. I will try to reproduce the issue first and debug the application by providing different inputs to fix the bug.

d. I would apply unit testing for the new feature added and apply all the necessary validations for the functioning of the new feature and bug fixes.

e. First, I would thoroughly test in the Test environment and test the application successfully without any bugs.

2.  
a. First I would try to browse the url and check whether I am facing the same problem or not.

b. I DON’T KNOW

c. Revert back to the requester by providing the steps taken.

d. I would log an incident to the related department with my findings and details like ip, url etc.

e. I would put an update to the requester that an incident was logged for the issue and would follow-up with respective team.

**Web Answers**:-

HTML : Hyper text markup language. This is using for frontend design  
AJAX : Asynchronous Javascript And Xml. Using ajax we can run the application very fast.  
JSP : jsp means Javaserver pages  
CSS : Cascading Style Sheets. This means that the styles are applied in Template and shows application attract full.  
SSH: “ I DON’T KNOW”  
JSON : JavaScript Object Notation  
UML: Unified Modeling language   
HTTPS : Hyper-Text Transfer Protocol Secure. It is using at web urls  
SFTP : I DON’T KNOW  
XSLT : I DON’T KNOW  
SQL : Structured Query Language this is Microsoft product  
LAMP : Linux, Apachi, Mysql, Php All are open sources   
AES : I DON’T KNOW  
PHP : Hypertext preprocessor this is programing language for web applications .  
DOM: I DON’T KNOW  
XML: I DON’T KNOW  
CRUD: I DON’T KNOW  
PNG: PNG is a file extension of image. PNG won’t show image border  
JDK: I DON’T KNOW  
WLAN: I DON’T KNOW  
CAPTCHA: It is a Securimage. Captcha script for generating complex images and captcha codes to protect forms from spam  
VPN: I DON’T KNOW  
JPEG: JPEG file extension This is the right format for those photo images which must be very small files  
OOP: OOPS Stands Object oriented programming**.** Object oriented concepts form the base of all modern programming languages. Understanding the basic concepts of object-orientation helps a developer to use various modern day programming languages, more effectively.

**Php coding :-**

1.A. The php hypertext preprocessor this is programing language . Php is used for developing web based software applications. Php works on all servers . comparing with other scripting languages php will execute very fast and it is open source any one can use it.

2.A. Session stores a user information normal html pages can’t pass data from one page to another page php session solves this problem. When the user close the website and logout the session automatically unset . Session is a server side variable its stores information at server side .

3.A Yes php support strings. Php strings are work without quotes or it will work in double quotes. It won’t work in single quotes

Ex:- <?php

$email = ‘sachin@vsplash.net’;

$sub\_stng = strstr($email, ‘@’);

echo '$ sub\_stng; // out put --🡪 $domain

echo “$ sub\_stng”; // out put 🡪@vsplash.net

echo $ sub\_stng; // out put 🡪@vsplash.net

?>

4.A. explode split a string into an array, split also extract a string using regular expression.

5.A. when we use include at time the include file not fount it show warring error. When we use require the file is not found at time its show fatal error.

6.A. An array can store one or more values in a single variable name. We have three types of arrays   
1, Numeric array , 2.Associative array, 3, Multidimensional array.

7.A. “I Do Not Know”

8.A. <?php   
 mysql\_connect(“localhost”,”root”,”password”);  
 mysql\_select\_db(“db\_name”); ?>

9.A. fopen(“sachin.txt”, “r”);

10.A. cookies are text files which contains small amount of data. Cookies store in browser memor.  
<?php setcookie(“user”,”sachin”, time()+3600); ?>

**Database :**

1.A. MySQL is a database management system and world famous open source database. We can use Mysql for web applications for back engine database .

2.A. Sql is a language.  Specifically the Structured Query Language this is Microsoft product.

3.A. 1. Object-Oriented databases , 2.Relational Model databases

4.A. Maximum every web application have admin. We can control the site using admin controls   
Ex: - we have one e-commerce web applications. We can edit the exiting product details from admin side and delete products and add new products. All functionalities developed at admin side and not necessary go to database for changes. We can control all things from admin.

5.A. INNER JOIN:- The INNER JOIN keyword return rows when there is at least one match in both tables.

LEFT JOIN :- The LEFT JOIN keyword returns all rows from the left table (table\_name1), even if there are no matches in the right table (table\_name2).

RIGHT JOIN :- The RIGHT JOIN keyword returns all the rows from the right table (table\_name2), even if there are no matches in the left table (table\_name1).

FULL JOIN:-The FULL JOIN keyword return rows when there is a match in one of the tables.

6.A. “I Do Not Know”

7.A. “I Do Not Know”

8.A. When we use DROP keyword it will delete the table, When we use TRUNCATE it will delete the table data but not table. Using delete we can delete a row and rows

9.A. Normalization is the process of organizing data in a database. There are two goals of the normalization process: eliminating redundant data

ex:- storing the same data in more than one table

and ensuring data dependencies make sense

ex:-only storing related data in a table.

10.A. Varchar: This variable length data type.

Char: this is fixed length data type,

Int: Using for store numeric values

11.A. If indexes are used, writing to table (for example inserting rows) is slower, because in addition to just writing the data, MySQL needs to handle the index file also. This is an issue usually only if you need very fast inserts or you need to insert thousands of rows at the same time and fast They might increase query speed