



2020/6/11

**Public Service Commission**  
**Database and Web Developer - 80 Marks**  
**Duration: 3 Hrs**  
**(Office Superintendent Post)**

**Section A: 1 Marks each**

1. What is meant by API ?
2. What is meant by website deface ?
3. What is the full form of SEO?
4. What is the full form of DNS?
5. What is shared hosting ?

**Section B: 2 Marks each**

1. What is the use of VirtualHost file ?
2. Give two usages of php.ini
3. What service runs on port 80, 443, 22 ?
4. What is the difference between primary key and foreign key in database?
5. Can you write down a use case of "enum" clause in sql?
6. What is the use of "like" clause in sql?
7. What is the use of phpmyadmin program?
8. Write an example of **select** command using an arbitrary example, using "whereas" clause in sql?
9. What do you understand by
  1. 303 response message
  2. 404 message
10. Explain in short, (Answer any)
  - a. 8.1 What is meant by deprecated code

**or**

  - b. 8.2 What is meant by secure coding?

**Section C: (Answer any 5 questions) - 5 Marks each**

1. Difference between local server and live server.
2. What are the uses of Log files?
3. Write three utilization of .htaccess. ✓
4. Write three pros and cons of using WordPress.
5. Give one example of a local server for each operating system: Windows, Linux, Mac.
6. What could be the reasons of website being hacked according to you?

**Section D: 5 Marks each**

1. What is CMS? Give three examples of it.
2. While developing a wordpress website; if any unknown error pops out then what will be your first step to mitigate the problem? Why?
  - a) Ask colleagues
  - b) Ask your manager
  - c) google
  - d) stackoverflow

**Section E: (Answer any 4 questions ) - 5 Marks each**

1. Write a php program to print sum of (numeric)1 to 9 using any looping conditions.
2. Write a program in php to connect with MySQL database.
3. Write a SQL command to

EMP ID	FNAME	LNAME	AGE	SAL	DEPT	DESIGN
01	Tenzin	Dhondup	28	20,000	TPI	Researcher
02	Dolma	Yangkyi	27	25,000	DIIR	Editor
03	Tashi	Yangzom	29	19,000	TPI	Researcher
04	Sonam	Tsering	32	20,000	DIIR	Editor
05	Dickyi	Wangmo	24	23,000	TPI	PRO

1. Display all the employees whose age is between 20 to 30.
2. Display all the employees whose salary is greater than 20,000 and belongs to TPI.
3. Display all the researchers.

**ALL THE BEST**