

DELHI PUBLIC SCHOOL, JAMMU
ASSIGNMENT FOR FINAL EXAMINATION (2020)

SUBJECT: COMPUTER SCIENCE(083)

CLASS: XI

- Q.1 What is the need for secure passwords?**
- Q.2 What is the significance of Firewall in a computer's security scheme?**
- Q.3 What is Authentication and Authorization? Why are these two used together?**
- Q.4 How is pharming similar to and different from phishing?**
- Q.5 What are denial-of-service or Sweeper attack?**
- Q.6 What measures would you take to avoid -**
(a)Virus attack (b) Spyware (c) Adware (d) Spam (e) PC Intrusion
- Q.7 What do you understand by PC intrusion?**
What is a spam? Why has it become a big
- Q.8 Internet issue?**
- Q.9 What are malware? What type damages can they cause to your computer?**
- Q.10 What type damages can be caused by viruses to your computer?**
- Q.11 Why are privacy settings of a social networking site so important?**
- Q.12 What is digital footprint? Why is it so important?**
- Q.13 What is cyber bullying and cyber stalking?**
- Q.14 What is cyber-crime? How can you report it?**
- Q.15 What are cookies? How are they used by websites to track you?**
- Q.16 What should you do to protect your identity on Internet?**
- Q.17 What are the main categories of NoSQL databases?**
- Q.18 How is a cross join different from natural join? Give example.**
- Q.19 What is database index? Is it a table?**
- Q.20 Differentiate between -**
(i) DROP TABLE, DROP DATABASE
(ii) DROP TABLE, DROP clause of ALTER TABLE.

- Q.21 How is Foreign Key commands related to Primary Key?**
- Q.22 Differentiate between DDL and DML commands.**
- Q.23 What is SQL? What are different categories of commands available in SQL?**
- Q.24 How is private cloud different from public cloud?**
- Q.25 What is parallel computing?**
- Q.26 What is the role of memory manager and I/O manager of OS?**
- Q.27 What is process scheduling?**
- Q.28 Make AND Gate using NAND Gate.**
- Q.29 Prove algebraically that $(X+Y).(X+Z)=X+Y.Z$**
- Q.30 State DeMorgan's law of Boolean Algebra and verify them using truth table.**
- Q.31 What is a truth table? What is its significance?**
- Q.32 Compare UTF-8 and UTF-32 encoding schemes. Which one is most popular scheme?**
- Q.33 Add the binary numbers (a) 110101 and 101111 (b) 10110 and 1101**
- Q.34 Convert the following binary numbers to decimal -**
(a)1010 (b) 111000 (c) 10101111 (d) 10110
- Q.35 What is the utility of these software?**
(a) disk fragmentor (b) backup software
- Q.36 What are tokens in Python? How many types of tokens allowed in Python?**
- Q.37 What is block/code block/suit in Python?**
- Q.38 How many types of strings are supported by Python?**
- Q.39 How can you create multi-line strings in Python?**
- Q.40 WAP to read today's date (only date Part) from user. Then display how many days are left in the current month.**