उत्तर प्रदेश राजर्षि टण्डन मुक्त विश्वविद्यालय, प्रयागराज

Bachelor of Science कार्यक्रम अधिन्यास सत्र 2020-21

कोर्स कोड : Course Code: **UGCS-101**	कोर्स शीर्षकः– (Course Title) **Computer Fundamental & PC Software**	अधिकतम अंक : 30 **Maximum Marks : 30**

खण्ड अ   अधिकतम अंक : 18

Section-A   **Maximum Marks : 18**

नोट– **(Instructions): Section A consists of long answer questions. Answer should be in 800 to 1000 words. All questions are compulsory.**

1. Explain the different classification of Computers? Differentiate between micro computers mini-computers and main-frames.
2. What are the different categories of languages? Explain various elements of a programming language.
3. Explain the differences between followings:
   (i) Message switching and Circuit switching.
   (ii) Router and Gateway
   (iii) Ring Topology and Star Topology.

खण्ड ब   अधिकतम अंक : 12

Section –B   **Maximum Mark : 12**

नोट– **(Instructions): Section B consists of short answer questions. Answer should be in 200 to 300 words. All questions are compulsory.**

4. Explain the terms: Serial Processing, Batch Processing and Multiprogramming
5. Differentiate between Star, Bus and Ring topology.
6. What is Computer virus? Briefly explain different types of computer virus?
7. How you have to insert header and footer in presentation? Explain how graph is created in MS-word.

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कोर्सकोड : Course Code: **UGCS-102**	कोर्स शीर्षकः— (Course Title) **C Programming**	अधिकतमअंक : 30 **Maximum Marks : 30**

खण्ड अ   अधिकतमअंक : 18

Section-A   **Maximum Marks : 18**

नोट—(Instructions): **Section A consists of long answer questions. Answer should be in 800 to 1000 words. All questions are compulsory.**

1. Discuss about arithmetic operators and relational operators.
2. Differentiate between break and continue statements in C language with example.
3. What is a structure? Create a suitable structure for storing the information about the Technical Institutions in India (Assume appropriate attributes to store the information). List all the institutes for a given state.

खण्ड ब   अधिकतम अंक : 12

Section –B   **Maximum Mark : 12**

नोट—(Instructions): **Section B consists of short answer questions. Answer should be in 200 to 300 words. All questions are compulsory.**

4. Write any five advantages of Pointers over Arrays.
5. What is the difference between call by value and call by reference parameter passing techniques.
6. Write a function int power (int x, int n) to return x^n
7. What do you mean by storage classes in C language. Writ the difference between static and automatic storage class.