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SEAT No. :

PA-10689

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P.G.D.C.M.

**101 : ADVANCED OFFICE AUTOMATION AND  
PROGRAMMING CONCEPTS  
(2022 Pattern) (Semester - I)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates :*

- 1) *Solve any five questions.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Draw a block diagram of computer and explain their component in details.[10]

**Q2)** Explain any 5 functions of operating system. [10]

**Q3)** What is the use of VLOOKUP and HLOOKUP and How do we use it? [10]

**Q4)** a) What is alignment in MS Word? Explain different types of Alignments.  
b) What is Header and footer? [10]

**Q5)** Differentiate between Procedural Vs object Oriented Programming. [10]

**Q6)** What are different operators in C language. [10]

**Q7)** Write short note on (any two) : [10]  
a) Access Data base  
b) Network Topology  
c) Cookies  
d) Encapsulation



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P.G. D.C.M.

**102 : INTRODUCTION TO WEB TECHNOLOGY  
(E-COMMERCE, HTML CSS, CMS)  
(2022 Pattern) (Semester - I)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Solve any five questions.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Explain Internet service provider (ISP) and Web server. **[10]**

**Q2)** What is E-Commerce? Explain How to obtain Digital Certificate. **[10]**

**Q3)** Explain the Attributes of Table Tag with on example and mention some Text formatting Tags. **[10]**

**Q4)** Design a registration form for college Admission process using various HTML Tags. **[10]**

**Q5)** Explain the difference between Visibility : hidden and display : none with suitable example. **[10]**

**Q6)** Explain the following (Any Two) : **[10]**

- a) Form and Frame set
- b) Use of HTTP Protocol.
- c) Style sheet.



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**P.G.D.C.M.**  
**103 : ADVANCED TRENDS IN INFORMATION**  
**TECHNOLOGY**  
**(2022 Pattern) (Semester - I)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) Solve any five questions.*
- 2) Figures to the right indicate full marks.*

**Q1)** What is cloud computing? Explain the characteristics of cloud computing. **[10]**

**Q2)** Explain the concept of internet of things (IoT) and Industrial Internet of things (IIoT). **[10]**

**Q3)** What is Artificial Intelligence? Explain the Role of AI in daily life. **[10]**

**Q4)** Explain the terms in detail : Supervised machine learning, unsupervised and Reinforcement learning. **[10]**

**Q5)** Explain Augmented Reality (AR) and Virtual reality (VR) with suitable examples. **[10]**

**Q6)** What is Geo Information system (GIS)? Explain it's applications in detail. **[10]**

**Q7)** Write short note on (any two) **[10]**

- a) Cryptocurrency
- b) Cloud Computing Model
- c) Smart Home and Appliances
- d) Applications of AI

