

Total No. of Questions : 7]

SEAT No. :

PA-10689

[Total No. of Pages : 1

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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

