

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-I)

COMPUTER SCIENCE Paper-I UNIT TEST on Unit I and II

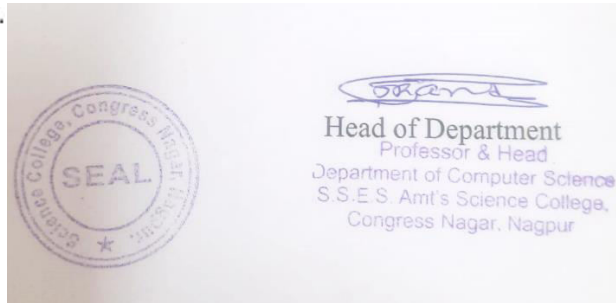
Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Explain with example modular programming structure. (5)
OR
2. Draw a flowchart to calculate Net Salary for employee where Net salary = Basic pay + HRA + DA + TA. Draw a flowchart to calculate Net Salary for employee where Net salary = Basic pay + HRA + DA + TA.
3. What is flowcharting ? Explain different symbols used in flowcharting. (5)
OR
4. What is ternary operator ? Write a program in 'C' to find largest of three numbers using ternary operator.
OR
5. What is looping ? Explain in detail "for" and "while" loop. (5)
OR
6. Explain different data types supported by C-language.
7. Explain switch statement with suitable example. (5)
OR
8. Write a program in C to find sum of even and odd numbers out of n inputted numbers.


Signature of Teacher



Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-I)

COMPUTER SCIENCE Paper-I UNIT TEST MARKS

Name of Teacher: Dr. R. N. Jugele


Date:15/09/2021

S.N.	Name of Students	Paper-I Test Based on Unit I And II
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Signature of Teacher



Head of Department
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Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-I)

COMPUTER SCIENCE Paper-I UNIT TEST on Unit III and IV

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Write a program to transpose two dimensional array of 3 x 3 size. (5)

Or

2. What is user defined function ? Explain components of function. (5)

3. What is recursion ? Write a program to find out factorial of a number using recursion. (5)

Or

4. What are string functions ? Write notes on : (i) strcmp () (ii) strcat () (5)

5. Define a structure to store information about a player. The member of structure are player name, age, height, weight, contact number. Declare structure variable of this structure type, and explain how members can be accessed. (5)


Or

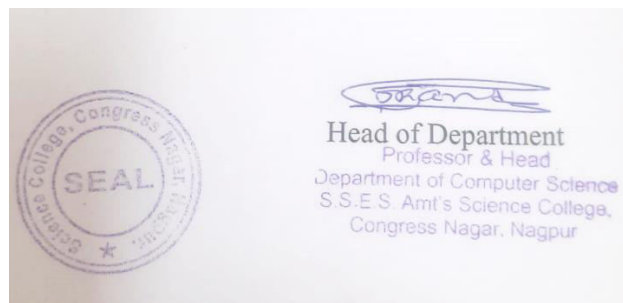
6. Explain various file modes for opening a file. (5)

7. What is pointer and address operator ? Write note on pointer variable. (5)

Or

8. State syntax and purpose of fopen() and fclose(). Illustrate their use giving suitable example. (5)


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Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-I)

**COMPUTER SCIENCE Paper- II -Fundamentals of Information
Technology**

UNIT TEST on Unit I and II

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What is number system ? Explain octal and hexadecimal number system with example. (5)

Or

2. Explain advantages and disadvantages of machine language over assembly language.

3. Do as directed : (5)

- (i) $(247)_{10} = (?)_8$
(ii) $(1001110)_2 = (?)_{10}$
(iii) $(3AF2)_{16} = (?)_8$

Or

4. Explain advantages and disadvantages of : (i) Compiler (ii) Interpreter.
5. Explain structure of Hard Disk with factors which affect data accessing time of hard disk. (5)

Or

6. What is storage device ? Explain with suitable diagram working of optical disk.

OR

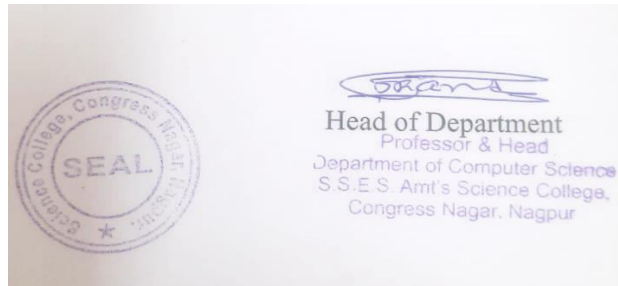
7. Explain the following :— (i) Cache memory. (ii) EEPROM. (5)

Or

8. Explain Optical Disk with its types.



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Bachelor of Science (B. Sc.) (Semester-I)

COMPUTER SCIENCE Paper-II

UNIT TEST MARKS OUT OF 20

Name of Teacher:Dr. A. A. Halder

Date: 16/09/2021

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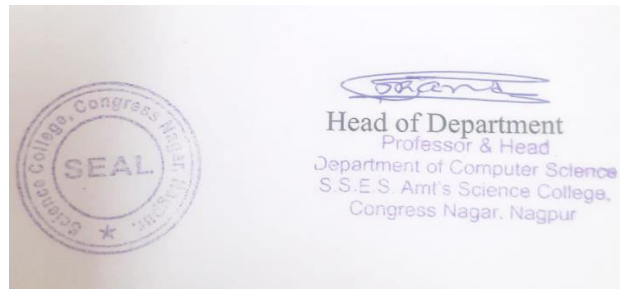
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COMPUTER SCIENCE Paper-II UNIT TEST on Unit III and IV

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What is the use of light pen ? State the working of light pen. (5)

OR

2. Explain working of Visual Display Unit (VDU).

3. Write a short note on :

(i) MICR (ii) Voice input with voice recognition system. (5)

OR

4. What is printer ? Differentiate between impact and non-impact printers with suitable example.

5. Explain any two types of networks based on area. (5)

OR

6. Explain following network terminology :

(i) Nodes (ii) Link (iii) Connectivity (iv) Switching.

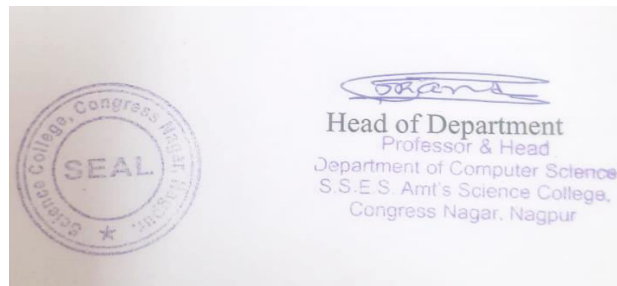
7. Write a note on Bluetooth and Infrared devices. (5)

OR

8. Explain peer-to-peer and client/server Architecture of network.



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Date:18/10/2021

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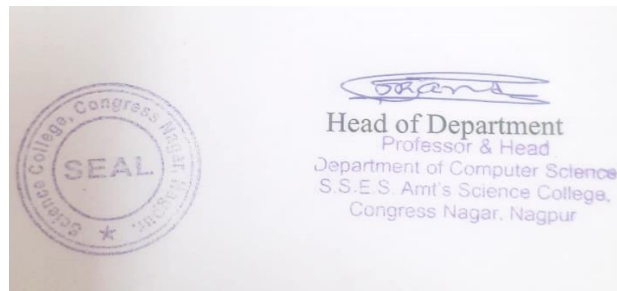
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86	Rohan K Nimje	7
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88	Rudali R Patil	10
89	Rushali S Tambuskar	20
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91	Sakshi M Raut	12
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93	Sanchit C Wakde	20
94	Sanjana M Ghatole	6
95	Sanskriti S Kadu	9
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97	Sarvesh L Nagardhankar	11
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100	Saurabh V Chaple	15
101	Sejal V Suruse	A
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103	Shraddha S Sandel	A
104	Shreya N Dhokwal	16
105	Shruti R Bhagat	12
106	Shruti S Gaikwad	9
107	Shruti S Samarth	16
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109	Stuti Karotiya	20
110	Sudhanshu Sakare	17
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113	Sweth A Pimpalkar	15
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115	Tanmay P Nagrale	11
116	Tanuja K Shinde	12
117	Tanushka A Kadu	5
118	Tanvi H Raut	5
119	Trupti A Mondhe	A
120	Vaidehi S Jibhakate	16
121	Vaishnavi D Dabare	19

122	Vedanti P Doble	10
123	Vidhan R Hedao	7
124	Vipul D Sangitrao	20
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126	Yash R Kumbhare	11
127	Yogeshree D Barai	20
128	Yunakshi P Karokar	A



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