

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

Academic Session 2019-2020

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

COMPUTER SCIENCE Paper- I –OOP using C++

UNIT TEST on Unit I and II

Time: 45 min.]

[Maximum Marks: 20

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

1. What are the different characteristics of object oriented programming ?
Explain. (5)
Or
2. Write a program to create a class student. Data members are roll no., name m1, m2 and m3. Write member function to compute total and percentage.
3. What are inline functions ? Explain with example outside member functions as inline. (5)
Or
4. What is class and object in OOP's ? Explain.
5. What are Constructors and Destructors ?
Explain it with suitable example. (5)
Or
6. Explain with example parameterised constructors.
7. What is Overloading ? State different rules for operator overloading. (5)
Or
8. Write short note on copy constructor. Explain it with suitable example.

Signature of Teacher

Head of Department

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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. What is Dynamic Object ? Explain new and delete operators. (5)

Or

2. Explain abstract class with suitable example.

3. What is Inheritance ? Explain multiple inheritance with suitable example. (5)

Or

4. What is array of object ? Write a program to demonstrate array of object.

5. Write difference between Virtual and pure virtual function. (5)

Or

6. Explain in detail fault tolerant design techniques.

7. What is Exception ? Write a program to handle uncaught exception. (5)

Or

8. Write a program in C++ to create a class emp and member functions addemp() and displayemp(). Further extend your program to display only those employees whose salary is greater than 25000.

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COMPUTER SCIENCE Paper-I- OOP using C++ UNIT TEST MARKS

S.N.	Name of Students (ECSM)	Marks out of 20 Test I	Test out of 20 Test II	Signature
1	JAISHREE VASUDEO KHAPRE	15	13	
2	SHALAKA AVINASH SULE	7	8	
3	POOJA DEEPAK MANMODE	A	9	
4	VIDHI NAROTTAM PITRODA	20	20	
5	S.B.M. SHEIKH	10	12	
6	ANJALI KISHNAJI GHODMARE	13	A	
7	TANAYA SUDHIR KANERKAR	12	12	
8	PRAJAKTA KRUSHNA VAIDYA	14	11	
9	PRATIK S. PALANDURKAR	7	14	
10	HIMANSHU RAHUL TAMGADGE	14	14	
11	MANU DILIP SANODIYA	13	16	
12	PRANAY BABALU BILLORE	A	11	
13	KARTIK VINEET BHATNAGAR	14	15	
14	RUTIK M. SHRAWANKAR	8	A	
15	VAISHNAVI ASHOK LONARKAR	11	14	
16	HARSHAL RAVINDRA ZILPE	A	14	
17	PADMAKSHI NARESH PARWE	14	12	
18	SWATI VILAS JAMGADE	13	9	
19	HIMANSHU BHIMRAO MADAVI	10	20	
20	SHUBHANGI G. SELOKAR	12	12	
21	GAURAV SANJAY NIRWAN	14	19	
22	PRAJWAL H. GAIKWAD	A	19	
23	SANKALP DUBEY	9	17	
S.N.	Name of Students (PCSM)	P1	I1	
1	DEEPANSHU DILIP GOSAVI	13	16	
2	ANJALI KAWADKAR	19	15	
3	AASAKTI V BHONGADE	10	A	
4	ANJALI AGGARWAL	7	9	
5	SHRAWANI YASHVANT DARNE	9	17	
6	HIMANSHU ARVIND LANJEWAR	A	8	
7	SHUBHAM MAHESH AGRAWAL	14	16	
8	YASH C. SULAKHE	14	8	
9	POORVA P.PIJDURKAR	19	18	
10	PRIYANKA ARUN JAGNADE	7	A	

11	PRANAY SURESH CHICHGHARE	14	14	
12	SIMRAN DAMODHAR KHADGI	9	9	
13	TRUPTI YOGESH PADOLE	A	18	
14	ANKITA CHANDRAKANTI NIMJE	20	18	
15	SIMMY GAVNEKAR	17	11	
16	MRINAL NEKRAJ CHOUDHARY	10	A	
17	KANCHAN H. GUPTA	11	13	
18	AKASH SHANKARJI JUMALE	14	11	
19	HRITIK SUNIL AMRUTE	7	17	
20	KOMAL KAMALKAR WALDE	7	19	
21	NEHA RAJU KALASKAR	A	9	
22	SONIYA YADAV	12	18	
23	AARTI YASHLAL BAGHELE	19	14	
24	GULSHAN UIKEY	14	A	
25	VAISHNAVI S. KOTPALLIWAR	9	15	
26	ACHAL DIPAK GHAGI	9	8	
27	APURVA TIWARI	10	7	
28	KUNAL DILIP DEVKAR	15	20	
29	MRUNAL S. PANTAWANE	9	9	
30	NISHI AMAR KURYAWANSHI	17	15	
31	SUPRIYA MAHADEO BOPCHE	7	7	
32	NIKHIL P. BHENDARKAR	A	12	
33	VAISHNAVI ARVIND WADHAI	9	10	
34	SHREYA MAHENDRA BHARDE	7	16	
35	SHRUTALI JITESH DEO	9	16	
36	MONISHA M PILLAI	18	13	
37	SUYASH SANJEEV SHANKAR	15	17	
38	NIDHI SANJAY THAKRE	18	A	
39	KUNAL VAIBHAV CHIMURKAR	10	11	
40	VINISHA NAIR	14	7	
41	RUTTIK NARENDRAJI TAIWADE	12	8	
42	ADESH SURESH LANGE	A	16	
43	SHRUTIKA R. CHANDEKAR	12	12	
44	VISHAL SURESH RAUT	18	A	
45	ASHISH BANDU TEKAM	7	13	
46	ISHANT VINOD PATIL	19	8	
47	GAURAV GIRISH GORLE	20	11	
48	ABHISHEK KESHARWANI	15	7	
49	SHRUTIK VILAS MANGALKAR	9	7	
50	AKASH BHIMRAO GAIKWAD	18	10	
S.N.	Name of Students (SCSM)	P1	I1	
1	PRANJALI PRAVIN KADOO	12	15	
2	HOMESH LALIT PARDHI	15	15	

3	VAIBHAVI PRASHANT KALE	18	12	
4	SHRUSHTI VINOD GHARPURE	A	17	
5	TEJAS PURUSHOTTAM TOTADE	11	19	
6	VAISHNAVI ASHOKRAO HIWASE	18	11	
7	MANSI NITIN ELGUNDE	7	A	
8	SUDHANSHU MUKUND JOSHI	15	13	
9	SANYOGITA SANJAY GUPTA	8	15	
10	TANYA RAJU KALEWAR	18	18	
11	AKANSHA ANIL SINHA	19	17	
12	DIVYA PUNARAM ARBAT	8	13	
13	PRAFUL KISHOR DANGRE	12	16	
14	KETKI KUNAL KALE	19	13	
15	NAYNA ANAND KALBANDE	8	15	
16	HIMALI NIWAS HALMARE	11	8	
17	VAIBHAVI JITENDRA TANNA	13	18	
18	ADITI RAJENDRA MUDGAL	10	10	
19	SAYALI P. SHINGANJUDE	14	8	
20	SHUBHAM SUDHIR PALTANKAR	14	13	
21	MRUNALRAJENDRA MALOKAR	7	18	
22	SHARYUSHWARI V. GHARPURE	A	12	
23	MAYUR DAMODHAR DEOLE	10	17	
24	TARSH MAHESH KUMAR PATEL	16	18	
25	VYANKATESH N. NAGHATE	16	10	
26	SAMIDHA P. DESHMUKH	18	18	
27	ABHISHEK ANIL AGRAWAL	13	8	
28	VISHAL RAMCHANDRA WARTHI	7	7	
29	DEVESH GAJESH BOBDE	8	17	
30	DNYANESHWARI P. WAGHMARE	16	A	
31	ABHISHEK SHRIKANT NANOTI	12	19	
32	SHANTANU SANJAY DHONE	12	12	
33	ASHLESHA AMARSINGH GUJAR	14	14	
34	ASHOTOSH VIJAY SHIRALKAR	16	11	
35	VRUSHALI SANTOSH YEDME	14	12	
36	SAMRUDDHI ANIL LOKHANDE	9	A	
37	KAUSTUB J. BARSAGADE	8	9	
38	PIYUSH PATIL	20	12	

Signature of Teacher

Head of Department

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Academic Session 2019-2020

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

COMPUTER SCIENCE Paper-II- System Analysis and Design

UNIT TEST on Unit I and II

Time: 45 min.]

[Maximum Marks: 20

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

1. Explain different phases of SDLC. (5)
Or
2. List various Data collection techniques. State guidelines to design questionnaire.
3. Explain the following fact finding techniques : (5)
 - (i) Brain storming
 - (ii) ObservationOr
4. Write short notes on :
 - (i) Economic Feasibility
 - (ii) Organizational feasibility
5. Explain Decision Table with suitable example. (5)
Or
6. Write short note on Data Dictionary.
7. Explain principles of code design. (5)
Or
8. Draw symbols used in Data Flow Diagram (DFD) and give their purpose. Give one example

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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. Explain following conversion methods : (5)
(i) Cold Turkey (ii) Parallel
Or
2. What is System testing ? Explain various levels of testing. 5
3. Explain System Evaluation. (5)
Or
4. List and explain any four training methods.
5. Discuss skills that a software project manager should possess. (5)
Or
6. Explain critical path method with example.
7. What is software estimation ? Explain function point metrics. (5)
Or
8. How PERT charts are used in scheduling project activities ? Explain.

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S.N.	Name of Students (ECSM)	Marks out of 20 Test I	Marks out of 20 Test II	Signature
1	JAISHREE VASUDEO KHAPRE	12	9	
2	SHALAKA AVINASH SULE	20	14	
3	POOJA DEEPAK MANMODE	8	16	
4	VIDHI NAROTTAM PITRODA	9	13	
5	S.B.M. SHEIKH	15	16	
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8	PRAJAKTA KRUSHNA VAIDYA	20	19	
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22	PRAJWAL H. GAIKWAD	7	17	
23	SANKALP DUBEY	17	20	
S.N.	Name of Students (PCSM)	P1T	p2	
1	DEEPANSHU DILIP GOSAVI	19	19	
2	ANJALI KAWADKAR	12	8	
3	AASAKTI V BHONGADE	12	12	
4	ANJALI AGGARWAL	14	A	
5	SHRAWANI YASHVANT DARNE	13	9	
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