

Vivekanand College,Kolhapur (Autonomous) B.Sc.Computer Science (Entire)-III Sem-V(2020-2021)

Continuous Internal Evaluation-1

Paper Title :Data Communication and Software Engineering with UML

Paper Code: DSE-1306E

Day and Date: 28/01/2021

Total Marks: 20

Time: 12.00 pm to 12.30 pm

Instructions :

- 1) All questions are compulsory.
- 2) Each Question carries 1 mark
- 3) Que. 1 to 5 and 11 to 15 are fill in the blanks.
- 4) Que. 6 to 10 and 15 to 20 are short answer questions.

Email *

sahilsawant415@gmail.com

Enter Roll No. *

9254



$$C) 0 < P(A) < 1$$

12/14/23, 12:05 PM

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$$D) \text{ If } A \subseteq B, \text{ then } P(A) < P(A \cap B)$$

Enter Name: *

Sahil ^ASawant

B

C

Q.1 The network that covers larger distance such as district or city is called _____

Metropolitan Area Network

Q.2 In serial transmission _____ wire/wires is/are required to transfer n bits.

One

Q.3 In _____ Transmission idle time occur between two bytes .

Asynchronous

Q.4 _____ (category of twisted pair) is used for telephone lines.

Category 1 (cat one)

Q.5 _____ and _____ band of frequencies are used in C-band transmission.

Broadband and Baseband

Q.6 Define Network and what is need for network?

Network is group of computers data connected with each other through communication link . It is need to share files and data to each other.



Q.7 what are different data flow directions?

Simplex, Half duplex, Full duplex

Q.8 What is protocol?

It is set of rules that governs the data communication.

Q.9 What is transmission medium and state its types?

Transmission media acts a physical interface for communication in networks. There are two types of transmission media, namely guided and unguided. Guided transmission media are cables like twisted pair cables, coaxial cables, and fiber optic cables.

Q.10 What is main difference between serial and parallel data transmission modes?

Serial data transmission sends data bits one after another over a single wire. Parallel data transmission sends multiple data bits at the same time over multiple wires.

Q11) In waterfall model every phase has a _____ or _____ Step.

Validation or verification

Q12) A prototyping model is actually a _____

Sample model or sample system



Q13) After gathering all possible requirements about the system analyzing them the System Analyst Documents them in the form of a document known as _____

SRS (Software requirements specifications)

Q14) Spiral model is divided into cycles, radial dimensions and _____

Angular dimensions

Q15) Generally prototyping model is developed for _____

To built, test, rework until expectable prototype is achieved.

Q16) Explain in short SRS is refered by which people and why?

The SRS is often referred to as the "parent" document because all subsequent project management documents, such as design specifications, statements of work, software architecture specifications, testing and validation plans, and documentation plans, are related to it.



Q17) write in one line each components of SRS ?

Basic components of SRS are

1. Functionality

functionality requirement specify which o/p should be produced from given i/p. they describe the relationship between the i/p & o/p of systems

2. Performance

the performance constraints on the s/w there r 2 types

a. Static

which don't impose constrains

b. Dynamic

dynamic req specify the constraints on the execution behavior.

3. Design constraints

identify and specify standards such as resources limit, operating environment, reliability & security requirements.

4. External interface requirements.

Q18) Explain in short difference between Interview and Questionnaires

Interview is a process of collecting information from individuals whereas Questionnaires is a process of collecting information from large number of persons. Interview is more flexible whereas Questionnaire is less flexible.

Q19) Define Agile Methodology.

Agile methodology is a type of project management process, mainly used for software development, where demands and solutions evolve through the collaborative effort of self-organizing and cross-functional teams and their customers.

Q20) Define in short types of Requirements.

functional requirements describe the relationship between i/o of the system. for each function requirement and detail description all the data i/p obtains their source, the functional requirements include the functionality required by the user of the system. if system is considered to be set of function.

there are types of requirements

1. higher level requirement.

2. non functional requirement.



Vivekanand College, Kolhapur (Autonomous)
Academic Year: 2020-2021
B.Sc.Computer Science (Entire)-III Sem-V

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Continuous Internal Evaluation (CIE)-1

Online Test conducted through Google Form (Mark list)

Date: 28/01/2021

Roll No.	Name of Student	Marks(DC)	Marks(UML)	Total(20)
9136	Geetanjali patil	7	2	9
9149	Ashish Kishor Sawant	4	4	8
9164	Nitin Rajendra Yeranale	8	6	14
9201	Amey Amane	7	3	10
9202	Prashant Dagadu Bansavade	8	5	13
9203	Rutuja Dilip Barage	9	7	16
9204	Bhagyeshwari.R.Bhapkar	7	7	14
9206	Shreyas manish bhosale	4	4	8
9207	Sakshi Bukshet	10	7	17
9208	Sammed Shital Chaugule	8	6	14
9209	Sumit sanjay chougule	5	5	10
9210	Aditya Uday Desai	8	7	15
9211	Prithviraj Ashok Desai	8	2	10
9212	Shreyan R. Desai	9	8	17
9213	Vishwajeet yuvraj Desai	8	6	14
9214	Tahir Dharwadkar	8	5	13
9215	Jay Dongare	8	7	15
9216	Kirti Dulhani	9	8	17
9217	Tanaya Tushar Farakate	9	7	16
9218	Shubhada Mohan Gavandi	6	9	15
9219	Siddhant Gholap	9	7	16
9220	Chaitrali Vikas Jagtap	10	6	16
9221	Pavan Jidimath	8	5	13
9222	Mayuri Ananda Kadale	8	6	14
9223	Prajwal J Kalekar	8	3	11
9224	Ratnadeep kamble	5	3	8
9225	Pranav Kulkarni	8	6	14
9226	Kirtiraj Ananda Kumbhar	8	5	13
9227	Prasad kumbhar	8	2	10
9228	Darshan M Laxapati	8	3	11
9229	Vinayak Ashok Londhe	7	7	14



9230	Ajit Rajaram Methe	6	6	12
9231	Akash Chandrakant Mhalap	6	5	11
9232	Nikita Nikam	5	3	8
9233	Riddhi Oswal	9	6	15
9234	Sammed pasanna	8	6	14
9235	Prathmesh tukaram patade	7	6	13
9236	Dhanashree Dattatraya Patil	9	8	17
9238	Kunal krishnat patil	8	6	14
9239	Onkar yashwant patil	9	7	16
9240	Prajakta nandkumar patil	8	7	15
9241	Rutuja Patil	8	8	16
9242	Ruturaaj Vijay Patil	8	7	15
9243	Shraddha Pankaj Patil	8	8	16
9244	Shubham sunil patil	6	4	10
9245	Sonali Anil Patil	9	7	16
9246	Vaibhavi Krishnat Patil	9	10	19
9247	Rohan Anil Phatale	8	6	14
9248	Snehal sanjay powar	9	6	15
9249	Vaibhav powar	8	6	14
9250	Dhanashri pramod pujari	9	7	16
9251	Amruta Ramchandra Rokade	9	8	17
9252	Rajlaxmi salokhe	9	6	15
9254	Sahil Sawant	9	6	15
9255	Bhagyashree Shirke	8	7	15
9256	Vishakha Shirke	6	3	9
9257	Pooja Maruti Sonalkar	9	7	16
9258	Abhishek Uttam Sutar	9	7	16
9259	Rutuja sandip sutar	8	9	17
9260	Rushikesh Laxman Tamkar	8	6	14
9261	Swaraj Jagannath Tandale	8	8	16
9262	Rohit Rajendra Waskar	4	4	8
9263	Rajesh Birusingh Yadav	9	7	16
C9205	Manasi Ravindra Bhosale	10	7	17



Pooja
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Prashant
 (Mrs. Nadiya D. Patel)