

Shivaji University Kolhapur

1. Data Analytics

2. Which of the following elements affect on intuitive methodology of decision making ?
 - a) Experience
 - b) knowledge of the application domain
 - c) available information
 - d) All of the above

3. The intuitive methodology is inappropriate for
 - a) Complex environment
 - b) Dynamic environment
 - c) Both (a) and (b)
 - d) Simple and static environment

4. With the help of mathematical models and algorithms, it is actually possible to
 - a) analyse a larger number of alternative actions
 - b) achieve more accurate conclusions
 - c) reach effective and timely decisions
 - d) all of the above

5. Data used in Business Intelligence architecture is
 - a) Structured
 - b) Unstructured
 - c) Both (a) and (b)
 - d) None of the above

6. _____ tools are used to store the data into data warehouse.
 - a) Load
 - b) Store
 - c) ETL
 - d) Transformation

Question Number	Answer
1	D
2	C
3	D
4	C
5	C

2. Real-time Operating System

1. Real time systems can be classified into ...

- a) Soft
- b) Hard
- c) Firm
- d) All of the above**

2. A hard real-time system is one in which ...

- a) Failure to meet a single deadline may lead to complete and catastrophic system failure.**
- b) Missing more than a few may lead to complete and catastrophic system failure.
- c) Performance is degraded but not destroyed by failure to meet response-time constraints.
- d) None of the above

3. Which of the following is/are synchronous aperiodic event ...

- a) Garbage collection**
- b) Externally generated exception
- c) Cyclic code
- d) Branch instruction

4. Which of the following is/are asynchronous periodic event ...

- a) Typical branch instruction
- b) Regular, but not fixed-period interrupt
- c) Clock-generated interrupt**
- d) Traps

5. Which of the following pair of CPU utilization % and Zone type is/are correct ...

- a) 83–99, questionable
- b) 70–82, dangerous
- c) 26–50, very safe**
- d) None of the above

Question Number	Answer
1	D
2	A
3	A
4	C
5	C

3. Software Testing and Quality Assurance (Elective – II)

- Which of the following is not true?
A Verification is the process of executing a program.
B Verification is the process of examining a program.
C Verification is the process of inspecting a program.
D Verification is the process of understanding a program.
- Software verification includes
A Reviews
B Inspections
C Walkthroughs
D All of the above.
- Which of the following is not a verification method?
A Peer reviews
B Cause effect graphing
C Walkthroughs
D Inspections
- In walkthroughs, who presents the document to the members?
A Author
B Moderator
C Customer
D Developer
- Which of the following is not a weakness of walkthroughs?
A The presenter may hide critical areas.
B Participants may not ask penetrating questions.
C Documents are shown to all participants.
D None of the above.

Question. No	Correct Option	Marks
1	A	2
2	D	2
3	B	2
4	A	2
5	C	2

4. Internet of Things (Elective – II)

(1) What does LTE stand for:

- a. Long Term Errors
- b. Long Term Evolution
- c. Lengthy Terminal Estimation
- d. Long Term Estimates

(2) Which one out of these is not LPWAN technologies:

- a. SigFox
- b. WiFi
- c. NB-IoT
- d. LoRa

(3) Which is the electric information service infrastructure, that is placed between end-user and the power utility?

- A. Home Automation
- B. Advanced Metering Infrastructure (AMI)
- C. Home Automation Networking
- D. None of these

(4) An interconnected collection of piconet is called

- a. micronet
- b. scatternet
- c. mininet
- d. none of the mentioned

(5) Which technology consists of small, low powered sensors on the body that captures clinical information such as temperature, respiratory functions, glucose level etc.

- A. MBANs
- B. WBANs
- C. MBANS

D. All of these

Question. No	Correct Option
1	B
2	B
3	B
4	B
5	D

5. Project Management

6.

1. _____ is the application of knowledge, skills, tools, and techniques to project activities to meet project requirements.
 - A. **Project management**
 - B. Program management
 - C. project portfolio management
 - D. Requirements management
2. Which of the following is not part of the triple constraint of project management?
 - A. Meeting scope goals
 - B. Meeting time goals
 - C. **Meeting communication goals**
 - D. Meeting cost goals
3. Which of the following questions would not be addressed by project portfolio management?
 - A. Are we working on the right projects?
 - B. Are we working in the right areas?
 - C. **Are projects on time and on budget?**
 - D. Do we have the right resources to be competitive?
4. Which of following is NOT a primary method for determining the projected financial value of projects?
 - A. Net present value (NPV) analysis
 - B. Return on investment (ROI)
 - C. **Weighted Scoring Model**
 - D. Payback analysis
5. A detailed review of the project documents, results and plans is called _____.
 - A. Project Integration
 - B. Project status meeting
 - C. Management update
 - D. **Lessons learned**

Question. No	Correct Option
1	A
2	C
3	C
4	C
5	D