Anurag University

B Tech IV Year I-Semester I-Midterm Examinations, August 2023
Course: Management Science
(Only for IT)

Date: 12.08.2023

Time: 90 Minutes

Session: AN

Max Marks: 20

Section – A
Answer all questions (5 x 1 =5 Marks)

1. Explain the importance of management?   (Co-1, L-2)

2. Differentiate Theory X & Theory Y.   (Co-1, L-2)

3. List out the types of plant layout   (Co-2, L-1)

4. Explain the procedure involved in Work Study.   (Co-2, L-2)

5. Outline the concept of recruitment   (Co-3, L-2)

Section—B
Answer any three questions (3 x 5 =15 Marks)

6. Illustrate various functions of management.   (Co-1, L-2)

7. Explain the principles of management developed by Henry Fayol.   (Co-1, L-2)

8. Discuss various methods of production with suitable examples.   (Co-2, L-3)

9. Construct X and R chart from the following information and state whether the process is in control.   (Co-2, L-5)

Sample	1	2	3	4	5	6	7	8	9	10
X	20	34	45	39	26	29	13	34	37	23
R	23	39	14	5	20	17	21	11	40	10

A2= 0.577, D3=0, D4=2.11

10. Analyze the steps involved in the selection process of a software engineer in IT Industry.   (Co3, L-4)

Anurag University
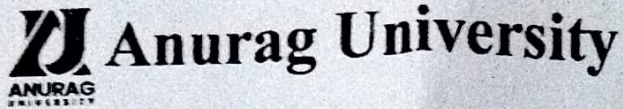
IV-B Tech I-Semester I-Midterm Examinations, August-2023
Course: Project Management
(Common to CSE, IT, AIML and DS)

Date: 14.08.2023   Session: AN

Time: 90 Minutes   Max Marks: 20

Section – A
- **Answer all questions**

                                       (5 x 1 =5 Marks)

1. Why does an organization need project management?   (CO-1, L2)

2. List out the phases in project management lifecycle.   (CO-1, L1)

3. Explain any two financial models used for selecting a project.   (CO-2, L2)

4. What are the different project screening approaches?   (CO-2, L2)

5. Outline the concept of project execution   (CO-3, L2)

Section—B
- **Answer any three questions**

                                       (3 x 5 =15 Marks)

6. Explain the different types of organization structures with suitable examples   F   (CO-1, L2)

7. a) Who is a Stakeholder?   (CO-1, L1)
     b) Express how stakeholder management is processed in an organization.   (CO-1, L3)

8. Evaluate the content of the project charter in detail.   (CO-2, L2)

9. Elaborate the work breakdown structure with suitable example   (CO-2, L3)

10. Discuss the various steps involved in initiating the project   (CO-3, L2)

Anurag University

IV-B Tech I-Semester II-Midterm Examinations, October-2023
Course: Project Management
(Common to IT,CSE,CSE-DS,AI&ML)

Date: 11-10-2023   Session: AN

Time: 90 Minutes   Max Marks: 20

Section – A
- **Answer all questions**

(5 x 1 =5 Marks)

1. List out the types in Project Costs.   (CO-3, L1)

2. Explain Cross functional Cooperation.   (CO-4, L2)

3. Outline the concept of negotiation   (CO-4, L2)

4. Define Project control cycles   (CO-5, L1)

5. Find the importance of Project Monitoring.   (CO-5, L2)

Section—B
- **Answer any three questions**

(3 x 5 =15 Marks)

6. Explain the process of risk management in Project Management.   (CO-3, L2)

7. Identify the characteristics needed by a project team to be effective.   (CO-4, L2)

8. a) Define Virtual Project Teams   (CO-4, L1)

    b) Identify the advantages and disadvantages of Virtual Project Teams.   (CO-4, L4)

9. "Earned value management is an effective tool for evaluating the project performance" Discuss   (CO-5, L4)

10. Illustrate various types of project termination with suitable examples   (CO-5, L3)

Anurag University

B Tech IV Year I-Semester End Examinations, Oct/Nov-2023
Course: Cryptography and Network Security
(Only for IT)

Time: 3Hours   Max Marks: 60

Section –A (Short answer type questions)

Answer all questions: (10 x 2 =20Marks)

1. Define session hijacking with a suitable example.
2. List any four web attacks.
3. Discuss Blowfish encryption technique.
4. Describe operations of Block cipher modes.
5. List applications of cryptographic hash functions.
6. Define a digital signature with an example.
7. Justify the working principle of remote user authentication.
8. Give a short note on Authentication header.
9. Discuss SSH Transport Layer Protocol.
10. List various types of firewalls.

Section—B (Essay answer type questions)

Answer all questions: (5 x 8 =40 Marks)

11. A) i) Describe the Symmetric Cipher Model.
       ii) Discuss principles of a block cipher.
                 OR

B) Compare TCP session hijacking and UDP session Hijacking.

12. A) Discuss the features of Chinese Remainder theorem. Describe Fermat's theorem\
                 OR

B) Elucidate Data Encryption Standard and Advanced Data Encryption Standard with neat sketch.

13. A) i) Describe Message Authentication functions.
       ii) Design NIST digital signature algorithm.
                 OR

B) List and elaborate various Public Key Cryptography algorithms with suitable examples.

14. A) i) Elucidate how S/MIME provide email security.
       ii) Discuss various Remote User Authentication Principles.
                 OR

B) i) Discuss IP Security scenario with reference to IPSec.
       ii) Elaborate Kerberos authentication service.

15. A) Elaborate Transport Layer Security Protocol Stack in detail.
                 OR

B) Draw the firewall architecture. Discuss firewall configuration methods