

KATHMANDU UNIVERSITY
End Semester Examination
January 2024

Marks Scored:

Level : B.E.

Year : IV

Course : GEOM 401

Semester : I

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date :

SECTION "A"

[20Q. × 0.5 =10 marks]

Encircle the most appropriate option from each set of choices.

1. The project planning is often called the primary management because it
 - a. Creates the vision for organisational members
 - b. Sets the tone for organisational culture
 - c. Establishes the basis for all other functions
 - d. Offers some basis for future decision making

2. Crashing is
 - a. Abandoning the project
 - b. Completing the project with all possible haste
 - c. Reduction of the duration for a few of the activities
 - d. Reducing the cost of the project with all needful modifications

3. What is the primary responsibility of site management?
 - a. Implement safety rules
 - b. Training for site persons
 - c. Conduct field quality audit
 - d. Establishment of work permit system

4. Three of the core managerial competencies consist of
 - a. Communication, Multicultural, and Production
 - b. Planning and Administration, Production, and Human Resources
 - c. Teamwork, Self-Management, and Production
 - d. Multicultural, Communication, and Global Awareness

5. The manager
 - a. challenges the status quo
 - b. does the right things
 - c. accepts the status quo
 - d. keeps an eye on the horizon

6. As one of the rules for communication, A. B. C. stands for
 - a. Always-Be-Cool
 - b. Activity-Based-Costing
 - c. Always-Be-Careful
 - d. Accuracy-Brevity-Clarity

7. CPM represents
 - a. Capital Project Management
 - b. Control Program Monitor
 - c. Critical Path Method
 - d. Chief Project Manager

8. **Communication competency refers to**
 - a. Ability to effectively transfer information that leads to understanding between yourself and your boss
 - b. Ability to effectively transfer and exchange information that leads to understanding between yourself and others
 - c. Ability to effectively exchange information that leads to understanding between yourself and the concerned minister in a government
 - d. Ability to effectively transfer and exchange information that leads to understanding between yourself and the secretary of the concerned ministry of a government.

9. **Project Implementation consists of**
 - a. Concept, Time Management, Monitoring and Negotiation
 - b. Time Management, Negotiation, Monitoring and Conflict Environment
 - c. Concept, Conflict Environment, Monitoring and Negotiation
 - d. Concept, Time Management, Conflict Environment and Negotiation

10. **Four pillars of safety management systems consist of**
 - a. Policy, Leadership, Balanced Decision, and Safety Culture
 - b. Risk management, Documentation, Traceability, and Reviewing Process
 - c. Assurance, Promotion, Policy, and Risk management
 - d. Promotion, Commitment to Resources, People Management, and Willingness to Share Expertise

11. **David I. Cleland defines project monitoring as**
 - a. "means to keep track of and to evaluate systematically all project activities."
 - b. "means to keep track of and to check systematically all project activities."
 - c. "means to evaluate and to check systematically all project activities."
 - d. "means to report and to record systematically all project activities."

12. **One of the external types of stressors is physical environment that consists of**
 - a. Noise, rules, lost job, and caffeine
 - b. Bright lights, regulations, promotion, and lack of sleep
 - c. Heat, deadlines, marital status change, and overloaded schedule
 - d. Confined spaces, heat, bright lights, and noise

13. **One of the factors that contribute to synergy is**
 - a. disturbing diverse knowledge base to bear on a problem
 - b. overlooking one another's mistakes
 - c. ability of group members to bounce ideas off one another
 - d. overlooking the work that is too vast for any one individual to achieve

14. **The network diagram is the best tool for demonstrating:**
 - a. Schedule variances
 - b. Resource Requirements
 - c. The sequence of Project activities
 - d. Schedule Performance over time

15. Information gathering, analysis, and problem solving from employees and customers is a part of
- a. Self-management competency
 - b. Teamwork competency
 - c. Communication Competency
 - d. Planning and Administration Competency
16. Risk is usually _____ as the project progresses.
- a. Increased
 - b. Reduced
 - c. Remained same
 - d. Become negligible
17. What is first and most important component of survey project management?
- a. Planning
 - b. Controlling
 - c. Surveying
 - d. Scheduling
18. Who has invented SWOT analysis?
- a. Albert S. Humphrey
 - b. Peter Pyhrr
 - c. Philip Kotler
 - d. Peter Drucker
19. CPM method of network analysis is
- I. Ideally suited for linearly extended works
 - II. Meant especially for research and development activities
 - III. Activity oriented
 - IV. Used for planning, scheduling and controlling purposes
- a. I and II only
 - b. II and III only
 - c. III and IV only
 - d. I and IV only
20. At what stage of the project should monitoring takes place?
- a. At the beginning of the project
 - b. At the middle of the project
 - c. At the end of the project
 - d. Throughout the life of the project



KATHMANDU UNIVERSITY
End Semester Examination
January 2024

Level : B.E.
Year : IV
Time : 2 hrs. 30mins.

Course : GEOM 401
Semester : I
F. M. : 40

SECTION "B"

[4 Q × 4 = 16 marks]

Attempt *ANY FOUR* questions.

1. Is management an art or science? What are the roles, traits, and skills of a project manager?
2. Prepare a mind map of Human Resource Management (HRM) in a survey project.
3. Explain the SWOT analysis with reference to a certain survey project.
4. Define SMART goals. Discuss on the various project management success tips.
5. Differentiate between CPM and PERT scheduling technique in a survey project management.

SECTION "C"

[4 Q × 6 = 24 marks]

Attempt *ALL* questions.

6. Discuss on management competencies of a survey project manager. Explain Work Breakdown Structure (WBS) in survey project management. Why Occupational Health and Safety(OSH) is important in project management? [2+2+2]
7. Department of Geomatics Engineering is planning to procure fifteen total stations, five theodolite sets and two multispectral drones with funding from World Bank. What type of procurement method would you follow for it? Explain the procurement method you would adopt for the procurement. Discuss the procurement process. [1+2+3]
8. Differentiate between (*ANY THREE*) [2+2+2]
 - a. Administration and management
 - b. Project monitoring and Project evaluation
 - c. Bid security and performance security
 - d. Physical barrier and psychological barrier of communication

9. Differentiate between bar chart and milestone chart. The following is the information on network analysis of survey project activities. Indicate an appropriate network diagram. Which is the critical path in a network diagram? How long will it take to complete the project? [2+2+1+1]

Activity	Immediate Predecessor Activities	Duration (hours)
M	-	5
N	-	2
O	M	3
P	N	2
Q	O	4
R	P	5
S	Q and R	1
T	S	6
U	T	3
V	T	1
W	V and U	5