

KATHMANDU UNIVERSITY  
End Semester Examination  
February/March, 2018

Marks Scored:

Level : B. E.  
Year : IV

Course : GEOM 401  
Semester : I

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date FEB 27 2018

SECTION "A"  
[20 Q. × 0.5 = 10 marks]

Choose the most appropriate answer among the given choices.

1. Mediation and Negotiation is a .....technique for conflict management in a project
  - a) Conflict reduction
  - b) Conflict resolution
  - c) Conflict stimulation
  - d) Conflict reduction and conflict stimulation
2. The best traits of survey manager are characterized by:
  - a) Fair in decisions by showing favoritism
  - b) Caring, Empowering and responsible
  - c) Overseeing work of general managers
  - d) Always punctual, Lazy and unorganized
3. Feed forward control in a project control is also known as :
  - a) Precontrol
  - b) Concurrent control
  - c) Post control
  - d) Feedback control
4. Specification for quality control is an example of
  - a) Precontrol
  - b) Post control
  - c) Concurrent control
  - d) Feedback control
5. Which of the following is **not** the part of contract document?
  - a) Specification
  - b) Property valuation report
  - c) Rate analysis
  - d) Engineering drawing
6. Critical path is that sequence of activities and events where there is no "slack" with
  - a) Shortest path through a network and maximum project completion time
  - b) Longest path through a network and maximum project completion time
  - c) Shortest path through a network and minimum project completion time
  - d) Longest path through a network and minimum project completion time
7. Which one of the following is **not** an example of physical barrier to communication?
  - a) Poor health concentration
  - b) Sound/noise
  - c) Distraction state
  - d) Lack of self discipline
8. 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
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. David I. Cleland defines project monitoring as means to
- Keep track of and to evaluate systematically all project activities.
  - Keep track of and to check systematically all project activities.
  - Evaluate and to check systematically all project activities
  - Report and to record systematically all project activities.
11. Understanding the overall mission and values of the organization and ensuring that employees' actions match with them is a part of
- Self-management competency
  - Teamwork competency
  - Strategic action competency
  - Communication competency
12. If R is the initial investment amount, r is the rate of return on investment, and T is the years of investment, the future value (FV) of the investment is mathematically expressed as:
- $FV = R(1 / r)^T$
  - $FV = R(1 * r)^T$
  - $FV = R(1 + r)^T$
  - $FV = R(1 - r)^T$
13. Which of the following characteristic is covered by the Manager over Leader?
- Innovates
  - Focus on people
  - Focus on system
  - Inspires trust
14. .... involves setting standard, measurable performance, finding and analyzing deviations and corrective actions
- Control Cycle
  - Project Cycle
  - Planning Phase
  - Implementation Phase
15. As one of the rules for communication, the acronym K.I.S.S. stands for
- Keep IT Super-Secret
  - Keep IT Safe and Sound
  - Keep IT Simple and Systematic
  - Keep IT Short and Simple
16. S-T strategies aims to:
- Pursue opportunities that are good company's fit to the company's strength
  - Identify ways to use strengths to reduce vulnerability to external Threats
  - Establish a defensive plan to prevent the firms weakness from making it highly susceptible to external threats
  - Overcome weaknesses to pursue opportunities
17. PERT as a planning tool requires
- Single time estimate
  - Double time estimate
  - Triple Time estimate
  - Quadruple Time estimate
18. PERT as a planning tool is
- Activity oriented
  - Event oriented
  - Resource oriented
  - Time oriented
19. Which of the following statement is correct for CPM scheduling technique?
- Single time estimate
  - Multiple time estimate
  - Event oriented
  - Probabilistic time
20. CPM scheduling technique is developed by Du Pont in .....A.D.
- 1957
  - 1947
  - 1967
  - 1997

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

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

SECTION "B"

[4 Q × 4 = 16 marks]

Attempt *ALL* questions. Answers should be clear and to the point.

1. Differentiate between survey administration and management. Explain the components of management in surveying. [2+2]
2. Discuss on various skills required for survey project manager. What are the major roles of survey management? [2+2]
3. Write short notes on (*ANY TWO*) [2+2]
  - a) Human resource management
  - b) Time management technique
  - c) Conflict resolution
4. Explain the communication process in survey project management. What are the types of barriers in the communication process? Explain with example [2+2]

SECTION "C"

[4 Q × 6 = 24 marks]

Attempt *ALL* questions. Answers should be clear and to the point.

5. What are the characteristics of an organization? Explain the model of management competencies in surveying. Explain SMART goals in survey management. [2+2+2]
6. Differentiate between NCB and ICB procurement methods. Discuss on procurement process with diagram. Explain direct purchase and sealed quotation for procurement of surveying services [2+2+2]
7. Explain project monitoring and evaluation in survey management. Discuss on types of evaluation for project control? Discuss project control cycle process with necessary diagram. [2+2+2]
8. What is network analysis? What are the advantages of network scheduling over other scheduling techniques in survey project management? The following is the information on network analysis of survey project activities. How long will it take to complete this project? Indicate appropriate network diagram. [2+4]

Activity	Immediate Predecessor Activities	Duration (Days)
1	-	6
2	-	2
3	1	3
4	2	2
5	3	4
6	4	1
7	5 and 6	1
8	7	6
9	8	3
10	8	1
11	10 and 9	1

