



ISRA UNIVERSITY
Islamabad Campus

DEPARTMENT OF ELECTRICAL ENGINEERING

MID SEMESTER EXAMINATION - SPRING 2016

Program: B.E. (Electrical)

Course Title: Engineering Economics & Management

Course Code: HS-321

Total Marks: 60

Duration: 2 Hours

Day & Date: Fri, April 29, 2016

Start Time: 0900 PST

(Use CAPITAL letters)

Student Name:	Invigilator's Name:
Student Signature:	Invigilator's Signature:
Student Regd. No:	Date:

Section-I

Multiple Choice Questions

Marks: 30

Time Allowed: 30 Minutes

Each statement is followed by four answers, marked A, B, C & D; only one of them is the best answer. Encircle the best answer. Each correctly circled best answer carries one mark. There is no negative marking for incorrect answer. No mark will be given for over writing, cutting or more than one encircled answers.

PLEASE DO NOT OPEN THE PAPER UNTIL ASKED TO DO SO

*******Good Luck*******

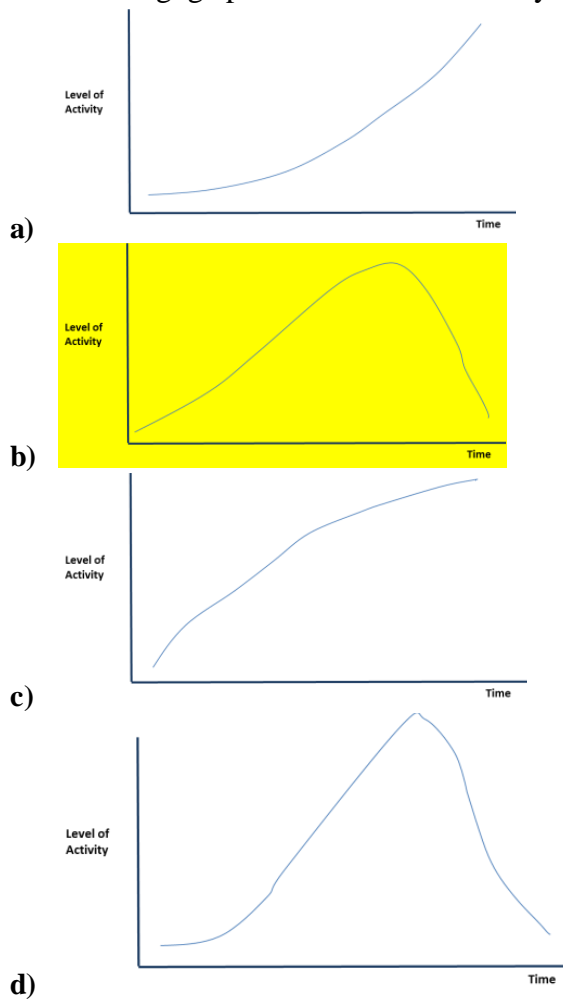
1. ICOR stands for

- a) Input, Constant, Output, Reserve
- b) Input, Constraint, Output, Resources**
- c) Initiate, Constraint, Output, Resources
- d) Initiate, Constant, Output, Results

2. 4D Project framework is'

- a) Define, Design, Distribute, Develop
- b) Define, Deliver, Develop, Distribute
- c) Define, Design, Deliver, Develop**
- d) Design, Deliver, Develop, Distribute

3. Which following graph define level of activity/effort of project



4. Project planning factors include

- a) Decision making, Technical expertise, Terms of agreement, Resource division
- b) Decision making, Technical expertise, Terms of reference, Resource planning**
- c) Define project, Design project, Planning project, Deliver project
- d) Define project, Design project, Resource planning, Deliver project

5. GO-CART model is
- Goal, Objective, Checkpoint, Activities, Relationships, Time estimates
 - Goal, Objective, Checkpoint, Action, Relationships, Timelines
 - Goal, Objective, Check, Action, Relative, Time estimates
 - Goal, Orientation, Checkpoint, Action, Relationships, Timelines
6. Project success criteria include
- Time, Cost, Performance
 - Time, Cost, Project
 - Timeline, Checkpoint, Performance
 - Timeline, Checkpoint, Pipeline
7. If project cost 150,000 and it delivers saving of 10,000 in first year and doubles every second year. What is simple payback period?
- 3 years
 - 4 years
 - 5 years
 - 6 years
8. PVF (Present Value Factor) =
- $1 / (1 + i)^i$
 - $1 / (1 + n)^n$
 - $1 / (1 + n)^i$
 - $1 / (1 + i)^n$
9. Three type of organizational structures are
- Divisional, Matrix, Hierarchy based
 - Functional, Divisional, Project based
 - Divisional, Matrix, Project based
 - Functional, Matrix, Project based
10. Estimate cost in decision tree equal equals
- (Cost of 1st outcome x Profit of 1st outcome)+ (Cost of 2nd outcome x Profit of 2nd outcome)
 - (Probability of 1st outcome x Profit of 1st outcome)+ (Probability of 2nd outcome x Profit of 2nd outcome)
 - (Probability of 1st outcome x Cost of 1st outcome)+ (Probability of 2nd outcome x Cost of 2nd outcome)
 - (Probability of 1st outcome x Cost of 2nd outcome)+ (Probability of 2nd outcome x Cost of 1st outcome)

11. In decision tree when you get two costs at one point, you always take the
- Maximum
 - Minimum
 - Average
 - Sum
12. Logic network connection have two types
- Activity on arrow / Activity on node
 - Activity on node / Activity on time
 - Activity on time / Activity on arrow
 - Activity on time / Activity on axis
13. EST/LFT in activity on arrow stands for
- Earliest start time / Latest start time
 - Earliest finish time / Latest start time
 - Earliest start activity / Latest finish activity
 - Earliest start time / Latest finish time
14. In activity on arrow, critical path is always the
- Shortest path
 - Longest path
 - Cheapest path
 - Closest path
15. All activities on critical path has
- Much free time
 - Some free time
 - No free time
 - Slack time
16. Four functions of management are
- Planning, Organizing, Leading, Controlling
 - Planning, Organizing, Leveling, Controlling
 - Planning, Organizing, Leading, Commissioning
 - Projection, Organizing, Leading, Connecting
17. In PEST analysis, PEST stands for
- Planning, Economic, Social, Technical
 - Political, Economic, Social, Technological
 - Planning, Economic, Selecting, Technical
 - Political, Economic, Selecting, Technical

18. Stages of product life cycle are

- a) Introduction, Grouping, Maturity, Developing
- b) Introduction, Grouping, Maturity, Designing
- c) Introduction, Growth, Maturity, Delivering
- d) Introduction, Growth, Maturity, Decline

19. In SWOT analysis, SWOT stands for

- a) Strategy, Weakness, Opportunistic, Timeline
- b) Strength, Weakness, Opportunistic, Threats
- c) Strength, Weakness, Opportunistic, Timeline
- d) Strategy, Weakness, Opportunistic, Threats

20. What factors are considered as internal factors in SWOT analysis

- a) Strengths, Threats
- b) Strategy, Planning
- c) Opportunities, Timeline
- d) Strengths, Weaknesses

21. What factors are considered as external factors in SWOT analysis

- a) Opportunities, Threats
- b) Opportunities, Timeline
- c) Strategy, Planning
- d) Define, Design

22. BOSTON Matrix is (d)

- a)

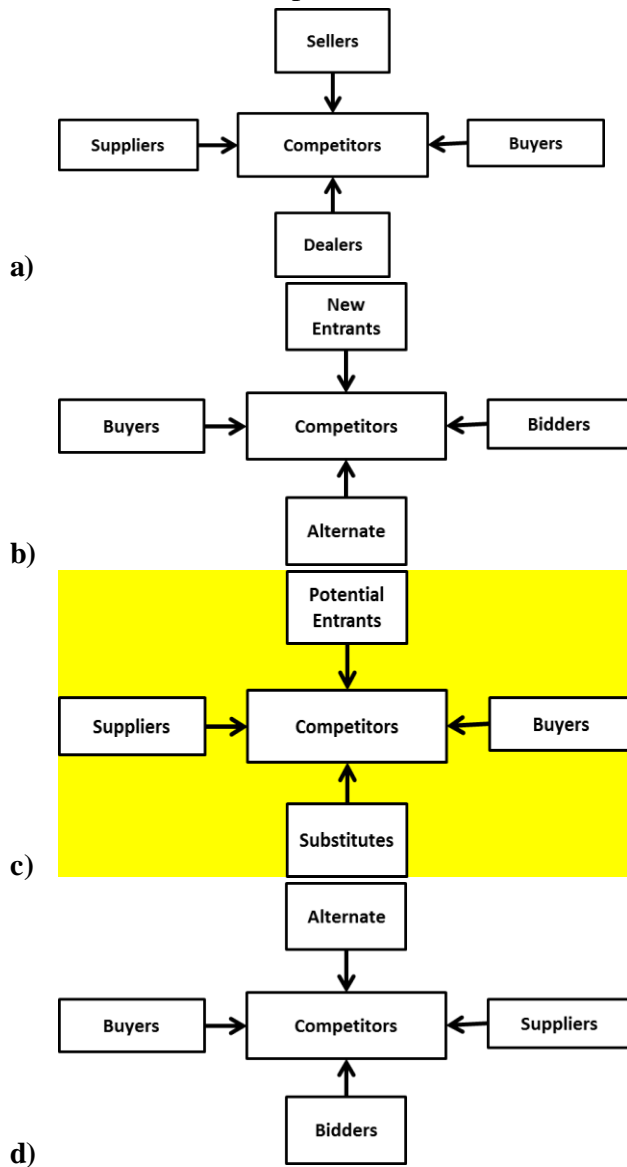
?	Star
Dogs	Cows
- b)

Cows	Dogs
Star	?
- c)

Cows	?
Dogs	Star
- d)

Star	?
Cows	Dogs

23. Porters five forces of competition are



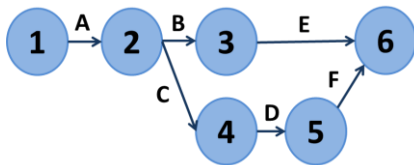
24. In project situation, the term Sacred Cow represent decision of

- a) Manager
- b) **Boss**
- c) Employee
- d) Shareholder

25. Which payback period calculate more realistic value

- a) **Discounted cash flow**
- b) Simple payback period
- c) Both
- d) None

26. Which type of logical network is this



- a) Activity on arrow
- b) Activity on node
- c) Activity on line
- d) Activity on point

27. DOGS in BOSTON matrix represent which type of products

- a) Fast growth
- b) Reliable product
- c) Profit making product
- d) Responsible in making losses

28. Which of the following activities are performed by HRM (Human Resource Management)

- a) Planning, Selection, Payments
- b) Recruiting, Selection, Placement
- c) Recruiting, Audit, Tender
- d) Panning, Designing, Delivering

29. Which of the following practices are best for interviewing an applicant

- a) Know what you want, Ask personal questions, Ask short questions
- b) Rush interview, Prepare a road map, Use open ended questions
- c) Know what you want, Prepare a road map, Use open ended questions
- d) Rely on memory, Ask personal questions, Ask short questions

30. In functional structure of organization, policies and procedures are

- a) Defined
- b) Delayed
- c) Not clearly defined
- d) Adopted