

# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

## DEPARTMENT OF TEXTILE TECHNOLOGY

### END OF SECOND SEMESTER EXAMINATIONS - AUGUST 2009

#### TXT – 4229 PROJECT DEVELOPMENT AND MANAGEMENT

TIME: 3 HOURS

#### INSTRUCTIONS

Answer **Question 1** and **ANY OTHER FOUR** questions. Each question carries **20** marks.

#### QUESTION 1

**Table 1**

ACTIVITY	TIME WEEKS	DESCRIPTION OF ACTIVITY	IMMEDIATE PREDECESSOR
A	4	Drafting and distribution of legal documents	-
B	3	Preparation and distribution of audited hospital financial statements	-
C	2	Drafting and distribution of hospital history and description of services	-
D	8	Drafting and distribution of feasibility study	-
E	4	Review and approval of legal documents	A
F	1	Review and approval of hospital history	C
G	4	Review and approval of demand portion of feasibility study	D
H	2	Drafting and distribution of financial portion	E, G
I	2	Drafting and distribution of plan of financing and all pertinent facts	E
J	0.5	Review and approval of unaudited financial statement	B
K	2	Receipt of firm price for project	-
L	1	Review, approval and completion financial portion of feasibility study	H, K
M	1	Drafting of preliminary official statement (POS) completed	F, I, J, L
N	0.14	Distribution of all material to bond rating services	M
O	0.28	Printing and distribution of POS to all interested parties	M
P	1	Presentation of bond rating services	N
Q	1	Receipt of Bond Rating	P
R	2	Marketing of bonds	P
S	0	Execution of purchase contract	R

T	0.14	Authorisation and completion of final official statement	S
U	3	Fulfillment of all terms and conditions of purchase contract	S
V	0	Bond proceeds available to hospital	T, U
W	0	Hospital able to sign construction contract	T, U

(a) With reference to Table 1, use Activity –On-Node, to draw the network diagram. (10)

(b) Calculate and show the Critical Path. (5)

(c) Draw the resultant Gantt chart. (5)

### **QUESTION 2**

Ramarish P Shati in Project management Review states, ‘Like a physician, a Project Manager must be an expert diagnostician, he must guard his project from infection, detect symptoms, diagnose such problems, and prescribe cures for a multitude of afflictions’.

Discuss. (20)

### **QUESTION 3**

(a) With regard to conflict resolution, should it matter to whom in the organization the project Manager reports? (15)

(b) Explain the concept of critical path. (5)

### **QUESTION 4**

On a Tuesday morning, the customer’s Project Manager calls the sub-contractors Project Manager and asks him a question the same question.

Comment. (20)

### **QUESTION 5**

Give a detailed explanation as to what should a Project Manager do to ensure that a project meets all deliverables on schedule and on budget. (20)

### **QUESTION 6**

Compare and contrast Project Charter and Statement of work. (7)

**END OF QUESTION PAPER**