

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Supplementary End- Semester Examination – June 2020

Program/course: BBA (OM, DM, & HR,FIN)

Semester – VI

Subject: Project Management

Max. Marks : 100

Code : LSCM-3001 /BBCG108

Duration: 3 Hrs.

No. of page/s: 2

Section A: Attempt all questions (6 x 5 =30 marks)

Q1. Choose the right option. Each carry 5 marks.

- (i) A task has been completed 30% against scheduled 50%. The budgeted cost of task is Rs 5000. Amount actually spent is Rs 2000. CPI is
 - a. 0.6
 - b. 1.0
 - c. 1.25
 - d. 0.75

- (ii) A network-based schedule has four paths, namely 7, 8, 9, and 10 weeks. If the 10-week path is compressed by 2 weeks, then:
 - a. We now have two critical paths with project time as 8 weeks.
 - b. The 9-week path is now the critical path.
 - c. Only the 7-week path has slack.
 - d. Not enough information is provided to make a determination.

- (iii) If NPV of a project A is greater than NPV of project B,
 - a. Project A will have larger payback period
 - b. Project B will have larger payback period
 - c. Payback period of project A and B will be equal
 - d. Cannot say with certainty

- (iv) If the budget of a project is Rs 1,00,000, a total of 3,00,000 has been spent already and 20% work is completed against a target of 40%, BCWP will be equal to
 - a. Rs 30, 000
 - b. Rs 20, 000
 - c. Rs 40, 000
 - d. None of above

- (v) In cost monitoring, the s-curve depicts the relation between:
 - a. Schedule completion and time.
 - b. Cumulative value and time.
 - c. Schedule completion and value resources.
 - d. resources and time

- (vi) A shadow price is a monetary value assigned by

- a. the willingness to pay principle
- b. Cumulative price of group of related commodities.
- c. the actual expenditure in possessing a product
- d. the earlier price of commodity

Section B: Attempt any five (5 x 10 = 50 Marks)

Q2. Explain the structure of matrix organization and task force organization. Also, discuss their suitability and limitations.

Q3. Write short notes on S-Curve, CPI, and SPI

Q4. Discuss Social Cost Benefit Analysis with example.

Q5. Discuss the roles and responsibilities of Project Manager

Q6. Discuss discounting and non-discounting criteria of capital budgeting

Q7. Discuss Failure Mode and Effects Analysis (FMEA) in Project Risk Management

Section C: Question 8 is compulsory (1 x 20 = 20 Marks)

Q 8. What will be the normal project completion time and normal project cost for the project network shown below?

(ii) If the project is supposed to be completed in 11 days what will be the minimum cost of project?

Activity	Predecessor activity	Normal time	Crash time	Normal cost	Crash cost
A	-	2	1	10000	15000
B	-	8	5	15000	21000
C	A	4	3	20000	24000
D	B	1	1	7000	7000
E	B	2	1	8000	15000
F	C,D	5	3	10000	16000
G	E	6	2	12000	36000

