

EKWOKA AND ASSOCIATE (ESTATE SURVEYORS AND VALUERS).

Group 1: Estate Management Class HND II

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QUESTION 1 = Critical path is that part that has no float in a project

It is determined by identifying the path that has the longest irreducible sequence of events.

QUESTION 2 = Relevance of CPA

It helps to examine the feasibility and viability of a construction project

It helps in comparing different aspects of a project at a glance or handle multiple tasks.

It helps in project with starting time and finishing time.

QUESTION 3 = Pert chart Analysis

a) Duration of each path.

- Path 1 → 14 days
- Path 2 → 12 days
- Path 3 → 33 days

b) Critical path.

Critical path → path 3 (33 days) it is the major sequence of the event and it has no float.

c) How to ensure project timely delivery.

By allocating the free days (float) from path 1 and path 2 to path 3. These will help to ensure timely delivery which is called control.

- Path 1 join path 3 = 19 days floats
- Path 2 join path 3 = 21 days floats

QUESTION 4 = Analysis of the line of balance chart.

The chart is all about a project which was planned to be completed within 4 months, i.e. it is expected that the project is going to attain its best value (100%) within 4 months.

But the actual is that, within 2 months the project has attained 50% of its value.

This shows that the project is a positive one, there is no trouble area and also it did not deviate from the established plan therefore the project is making progress.