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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(TAKE HOME)
SEMESTER II
SESSION 2019/2020**

COURSE NAME : PROJECT PLANNING AND SCHEDULING
COURSE CODE : BPD 33903
PROGRAMME CODE : BPC
EXAMINATION DATE : JULY 2020
DURATION : 24 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS
OPEN BOOK EXAMINATION

THIS QUESTION PAPER CONSISTS OF **THREE (3) PAGES**

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Q1 There are several of construction projects that have contributed to economy of Malaysia. The projects are the socio-economic infrastructure for industrial growth and production and basic amenities for instance residential and commercial space, parks, playgrounds and stadiums, health care units, roads, highways, railways, ports, airports, dams, power generating and supplying stations, communication utilities, and also other basic infrastructure which is necessary for the country and to develop and improve living standards of the society. Construction project can be understood as a set of seven (7) essential actions needed to produce a new facility, which have a start and end date. The seven (7) essential actions are brief, design, plan, procurement, manufacturing, production and commissioning.

A construction project will be considered as success when the project is completed on time, within budget and the quality is satisfied by all. Furthermore, based on Alias *et. al*, (2014), a successful construction project is mainly consists of many different elements and factors. There are fifteen (15) elements contribute to project success. These elements must be coordinated throughout the projects to ensure its completion. Among the elements are project scope, top management support, project planning and schedule, resources, technology, communication and commitment of all parties to project success. The importance of organisational's planning effort and project manger's commitment in order to complete the construction project by meeting cost and on time, follow the schedule accurately and meeting the quality needed to ensure the project success.

As mentioned above, construction project planning and scheduling are imperative to the success of a project. They create an integrated work environment where it becomes easy to properly allocate resources, get all stakeholders on the same page, and proceed production without bottlenecks. Because of the vitality of project scheduling, it is important that clients and contractors put efforts into creating a detailed and accurate schedule before taking on a project.

Justify the requirements in preparing construction project planning and scheduling.

(26 marks)

Q2 Many issues are being faced by construction industry that must be taken care of. They include time and cost overruns due to inadequate project formulation, poor planning for implementation, lack of proper contract planning and management and lack of proper management during execution. It has been estimated by analysts that average cost of a project goes up by 30 percentage compared to the budgeted cost. Observations show that proper skilful management is imperative for the timely completion of the project within estimated budget and with allocated resources. Projects with good planning, adequate organisational machinery and sufficient flow of resources cannot automatically achieve the desired result. There must be some warning mechanism, which can alert the organisation about its possible success and failures, off and on. Project monitoring is the process of collecting, recording, and reporting information concerning project performance that project manager and others wish to know. Monitoring involves watching the progress of the project against time, resources and performance schedule during execution of the

project and identifying lagging areas requiring timely attention and action whereas project controlling uses data from monitor activity to bring actual performance to planned performance.

(Source. Tom and Paul, 2013)

Analyse project control cycle for a construction project.

(24 marks)

-END OF QUESTIONS-

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