UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2010/2011 – 2ⁿᵈ Year Examination – Semester 4

IT4204: IT Project Management
PART 2 - Structured Question Paper

6ᵗʰ August, 2011
(ONE HOUR)

To be completed by the candidate

BIT Examination Index No: _____

Questions Answered

Indicate by a cross (✗), (e.g ✗) the numbers of the questions answered.

	Question numbers				
To be completed by the candidate by marking a cross (✗).	1	2	3	4	
To be completed by the examiners:					

Listed below is the case study pre-distributed. Some more details have been added to this case study for the purpose of this question paper. Such new additions are underlined.

Case Study – Royalty Project

Recently, new regulations under the Intellectual Property Act were approved by the Parliament of Sri Lanka. Under these regulations the payment of royalty to the legitimate creators of songs that include the song writer, the music director, the publisher, and the singer was made essential. Accordingly, a radio channel should pay a sum of Rs. 3 per song that is aired through the channel. In the same manner, a TV channel should pay a sum of Rs. 10 per song telecast over the channel.

Assume that the *Ministry of Culture and Arts (MCA)* has entrusted the *Sri Lanka Performing Rights Organization (SLPRO)* with implementing a suitable system to enforce these regulations. What is listed below, is the plan.

The SLPRO is to maintain a registry of songs. In addition to a recording of the song, this registry will also contain comprehensive details of each song. That includes the title of the song, the names of the song writer, music director, publisher and the singer and the contact numbers, addresses and bank account details of each of them. The respective nominees of each of them will also be stored to continue with royalty payments in the event of the death of any of them.

When each new song is created, the creators of the song should register it with the SLPRO providing the relevant details.

The radio and TV channels of Sri Lanka are then free to use the songs recorded in the above registry. However, they should provide SLPRO with the monthly list of songs that were played on that channel during the month. They should also pay to the SLPRO, the relevant royalty payment due to the artists. The SLPRO will keep a certain small percentage of the fee for its own operating expenses and deposit the remainder into the bank accounts of the relevant creators of the song.

The SLPRO is to use a web server to facilitate its operations. It will provide information on various topics such as registration of songs and their usage. The relevant forms for song registration are also available for download. The web server should let radio and TV channels submit monthly play lists and should also let them make the relevant credit card payments. The web server should also let artists view the details of the royalty payments due to them.

It is also required to enter the registry details of all the existing songs. As the number is huge a big data entry effort is required.

Assume SLPRO was newly formed and you have been assigned to manage this project. Assume that SLPRO has no computers at present and no IT staff either.

A system administration manual is also to be produced by SLPRO.

MCA wants this system to be usable in 12 weeks time (assume that there are no weekday holidays during this period).

The system is also required to be highly reliable and continuously available.

1) a) List key stakeholders in this project. For **one of them** write a relevant scope statement.

    b) Construct a *tabular* **work breakdown structure (WBS)** for this project. Your WBS should include level-1 tasks, their expected durations (in days) and their dependencies.

(20 marks)

<u>ANSWER IN THIS BOX</u>

2) For your WBS, draw the network diagram. Also find the critical path/s of the project.

(30 marks)

ANSWER IN THIS BOX

3) a) List **one** key **structure/process risk** in this project and write about your strategy to face it successfully.

b) Write separately, the people, hardware, software and material requirements for the project. Also **explain** how you make the budget for the project.

(25 marks)

ANSWER IN THIS BOX

4)   Write your plan for ensuring quality in this project and its outcome.

(25 marks)

ANSWER IN THIS BOX

*****