بسم الله الرحمن الرحيم

قُلِ اللَّهُمَّ مَالِكَ الْمُلْكِ تُؤْتِي الْمُلْكَ مَن تَشَاءُ وَتَنزِعُ الْمُلْكَ مِمَّن تَشَاءُ وَتُعِزُّ مَن تَشَاءُ وَتُذِلُّ مَن تَشَاءُ ۖ بِيَدِكَ الْخَيْرُ ۖ إِنَّكَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ

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Quiz No. 02 100% Correct Solve (Alhamdulillah)

BY Virtual Assistance Sonu Ilyas Mughal & Sadiq Ahmed

Sindh, Pakistan

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Sonu Ilyas Mughal

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MTH601:Quiz

Question # 1 of 10 (Start time: 06:13:55 PM, 08 February 2021)

An optimal solution of a Linear Programming problem is necessarily a Basic feasible solution.

Select the correct option

- ○ True
- ● False

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MTH601:Quiz Quiz Start Time: 06:13 PM, 08

Question # 2 of 10 (Start time: 06:14:22 PM, 08 February 2021)

While solving a Linear Programming problem by Simplex Method, an inequality constraint is transformed into strict equality by the inclusion of ---------- variable.

Select the correct option

- (●) slack
- ( ) decision
- ( ) artificial
- ( ) basic

Click to Save Answer & Move to Nex

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قُلِ اللَّهُمَّ مَالِكَ الْمُلْكِ تُؤْتِي الْمُلْكَ مَن تَشَاءُ وَتَنزِعُ الْمُلْكَ مِمَّن تَشَاءُ وَتُعِزُّ مَن تَشَاءُ وَتُذِلُّ مَن تَشَاءُ ۖ بِيَدِكَ الْخَيْرُ ۖ إِنَّكَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ

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Question # 3 of 10 (Start time: 06:14:47 PM, 08 February 2021)

If the primal has an unbounded solution, then the dual has------

Select the correct option

- optimal solution
- infeasible solution
- bounded solution
- no solution

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قُلِ اللَّهُمَّ مَالِكَ الْمُلْكِ تُؤْتِي الْمُلْكَ مَن تَشَاءُ وَتَنزِعُ الْمُلْكَ مِمَّن تَشَاءُ وَتُعِزُّ مَن تَشَاءُ وَتُذِلُّ مَن تَشَاءُ ۖ بِيَدِكَ الْخَيْرُ ۖ إِنَّكَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ

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MTH601:Quiz Quiz Start Time: 06:13 PM, 08 February 20

Question # 4 of 10 (Start time: 06:15:11 PM, 08 February 2021) Total Mark

After converting constraints into the respective Standard equalities, we have an LP problem of '4' equations in '6' variables, then in a given iteration, how many Basic feasible VARIABLES are possible to exists?

Select the correct option

- ○ 10
- ○ 6
- ◉ 4
- ○ 2

Click to Save Answer & Move to Next Question

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MTH601:Quiz Quiz Start Time: 06:13 PM, 08 Febr

Question # 5 of 10 (Start time: 06:15:29 PM, 08 February 2021) Tota

When we have $\geq$ type constraints, then we convert it to equality constraints by introducing _____ variable(s) and solve it by _____ method.

Select the correct option

Reload Math Eq

- slack, Big M
- artificial, Two phase
- artificial, Big M
- artificial and slack, Big M or Two phase

Click to Save Answer & Move to Next Qu

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قُلِ اللَّهُمَّ مَالِكَ الْمُلْكِ تُؤْتِي الْمُلْكَ مَن تَشَاءُ وَتَنزِعُ الْمُلْكَ مِمَّن تَشَاءُ وَتُعِزُّ مَن تَشَاءُ وَتُذِلُّ مَن تَشَاءُ ۖ بِيَدِكَ الْخَيْرُ ۖ إِنَّكَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ

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MTH601:Quiz **Quiz Start Time: 06:13 PM, 08 February 2021**

Question # 6 of 10 (Start time: 06:15:52 PM, 08 February 2021) **Total Marks:** 1

After converting constraints into the respective Standard equalities, we have an LP problem of '4' equations in '6' variables. If the initial basic feasible solution is say;(2,4,1,2), then its corresponding non-basic solution is---------.

Select the correct option

- (0,0)
- (-4,-2)
- (1,2)
- (2,2)

Click to Save Answer & Move to Next Question

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Question # 7 of 10 (Start time: 06:16:10 PM, 08 February 2021)

Dual of a Dual is ------

Select the correct option

- (●) Primal
- ( ) Dual
- ( ) Primal-dual
- ( ) (Dual)^2

Click t

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Question # 8 of 10 (Start time: 06:16:28 PM, 08 February 2021)

The dual of a dual problem yields the original primal.

Select the correct option

- (●) True
- ( ) False

Click to Save A

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Question # 9 of 10 (Start time: 06:16:48 PM, 08 February 2021)

If any or all of the artificial variables do not leave the basis in the final solution, then this indicates that the problem _____ .

Select the correct option

- must have a solution
- does not have a solution
- may have a solution
- non of these

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Question # 10 of 10 (Start time: 06:17:12 PM, 08 February 2021)

Once an LP problem is converted to a table, then calculation steps would be same for _____ method(s).

Select the correct option

- simplex
- Big M
- Two phase
- all of above

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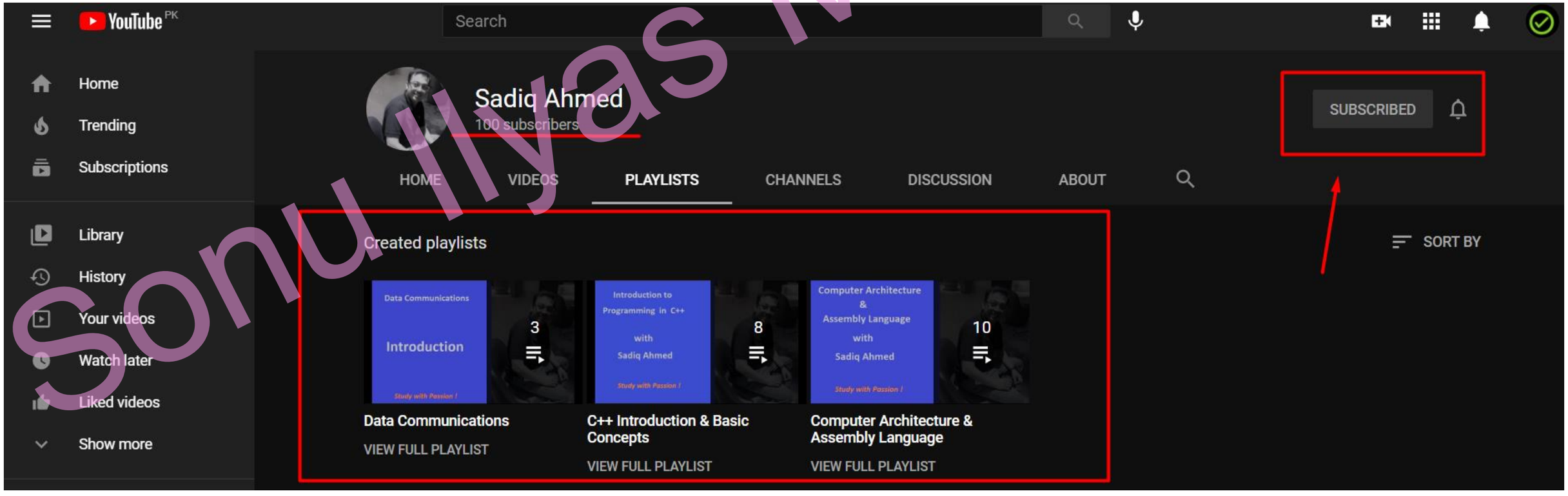
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4) Topic wise Notes
5) Short QA Solved
6) MCQs Solved
7) Solved Past and Current paper
8) Solved Graded Activities
(Assignment Quiz GDB)

Activity
Detailed
Information

Project Enrolment Complete training with
Live classes on Zoom
1) SRS (Software Requirements Specification)
2) DD (Design Document)
3) Test phase
a) Test phase viva (Live Classes for viva preparation)
4) Final Deliverable
a) Final coding
b) Final presentation
c) Final report
d) Pre final viva (Coding Viva)
e) Final viva (Overall Presentation)

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