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Quantum Mechanics - II

Course Code: P16PH409 Class: II M.Sc
Physics B Section
Duration: (45 Minutes)

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antojesusraja@gmail.com

Student Mobile Number * Enter your mobile number
9789257269

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Reg. No *

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Quantum Mechanics - II

Course Code: Q16PH409 Class: II M.Sc.
Physics B Section
Duration: (45 Minutes)
***Required**

Email address *

antoonisaraia@gmail.com

Student Mobile Number *

0789287269

Name (As in certificate) Eg. V.ANTHONY RAJ. *

V.ANTHONY RAJ

Reg. No *

185208201

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Quantum Mechanics - II

MCQ (40 x 1 = 40)

Duration (45 Mins)

Any quantum mechanical operator can be represented by a

- row matrix (c) s (d)
- quare matrix
- column matrix
- none of the above

Answer 40 MCQs

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Quantum Mechanics - II

MCQ (40 x 1 = 40)

Duration (45 Mins)

Any quantum mechanical operator can be represented by a

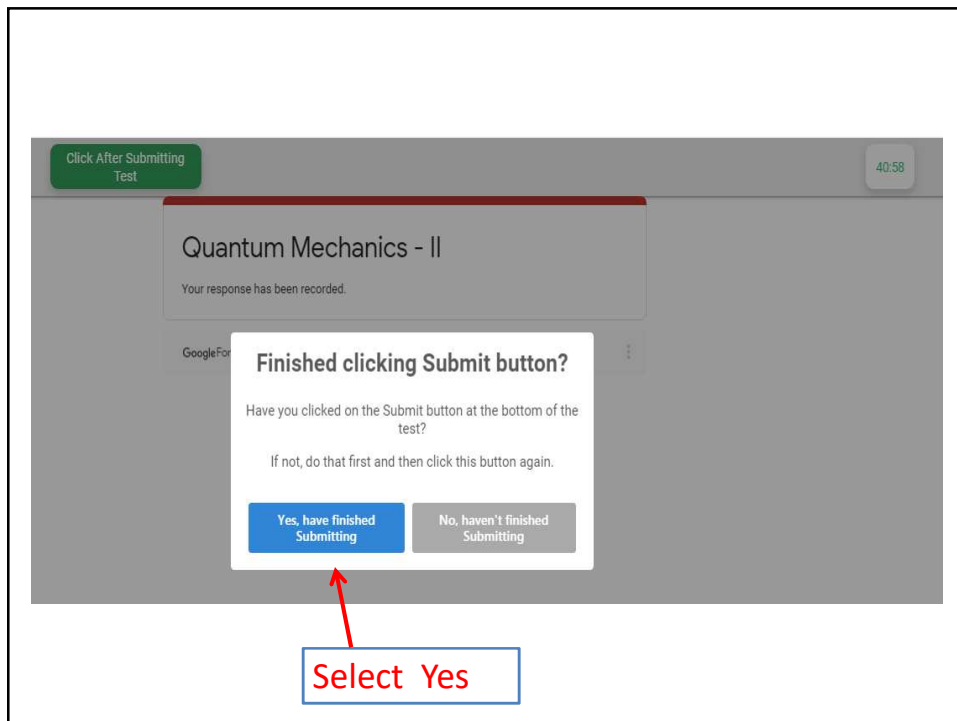
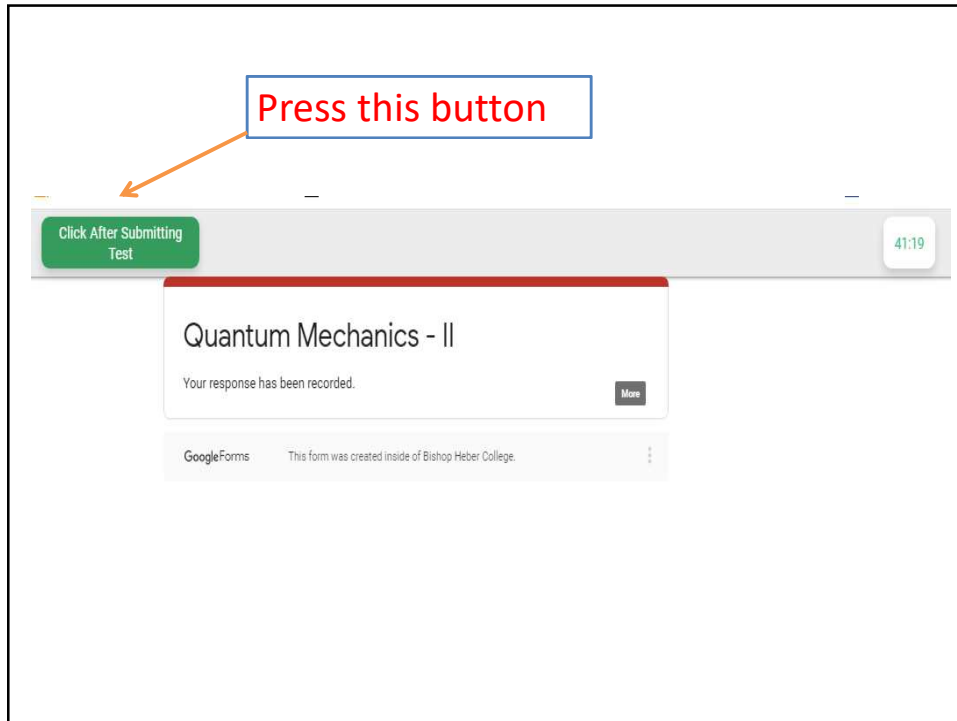
- row matrix (c) s (d)
- quare matrix
- column matrix
- none of the above

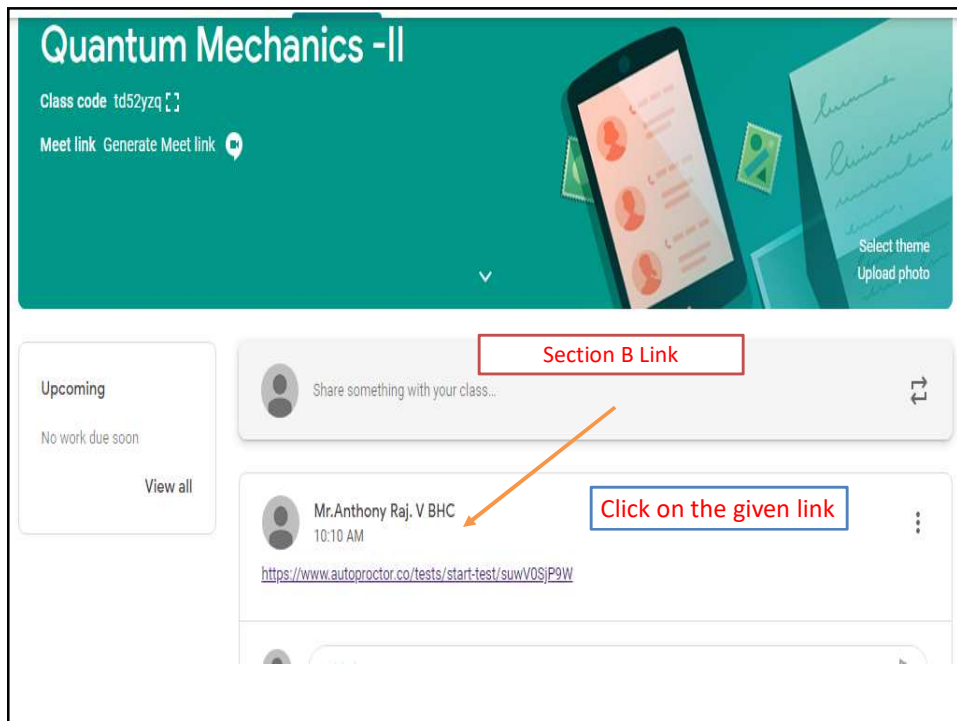
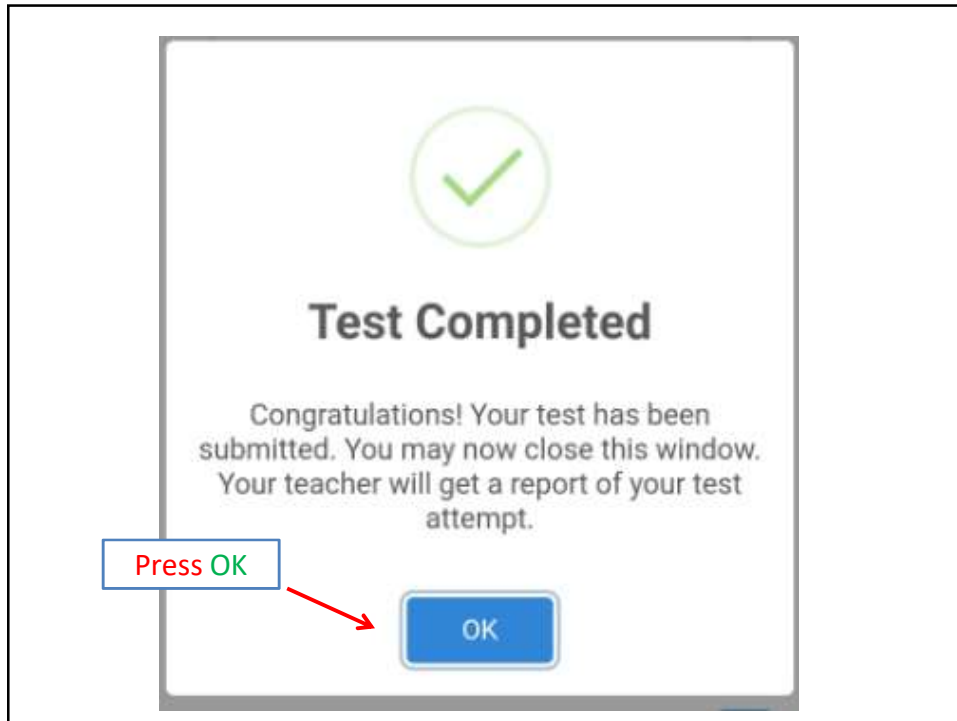
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Answer all the 40 questions

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Finally press Submit button






PG & Research Department of Physics
Bishop Heber College (Autonomous)
Tiruchirappalli - 17
End Semester Online Examination – September 2020

Quantum Mechanics - II

Course Code: P15PH409 Class: II M.Sc.
 Physics B Section
 Duration: (45 Minutes)
 * Required

Email address *
 anthonyraj@gmail.com

Student Mobile Number *
 9780257269

Name (As in certificate) Eg. V. ANTHONY RAJ *
 V. ANTHONY RAJ

Reg. No *
 185208201

Confirm your Reg No *
 185208201

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Section -B

Enter Mail ID


Enter Student Mobile Number

Enter Student Name

Select Reg No

Confirm Reg No

Press Next Button


PG & Research Department of Physics
Bishop Heber College (Autonomous)
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Quantum Mechanics - II

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* Required

DECLARATION

Write the following details and self declaration in the first sheet and continue to answer from the second sheet.

Roll No.	:	:
Name	:	:
Course Code	:	:
Course	:	:
Title	:	:
Date	:	:

Write the Declaration form in this format first Page

SELF DECLARATION: I _____ (Roll No.) agree and acknowledge that, I completed my exam consciously. I am fully satisfied with the online exam conducted by the college.

Signature of the Student

Descriptive Question (Duration : 1 hour 15 Minutes)

SECTION - B

Answer any five of the following questions; 5 x 7 = 35

41. Give an account on Hilbert space. Write down the expressions for norm and scalar product in this space.

42. Show that the ladder operator a and a^{++} of the harmonic oscillator can be expressed as products of operators relating to "modulus" and "phase" and bring out their properties.

43.
44.
45.
46.
47.
48.

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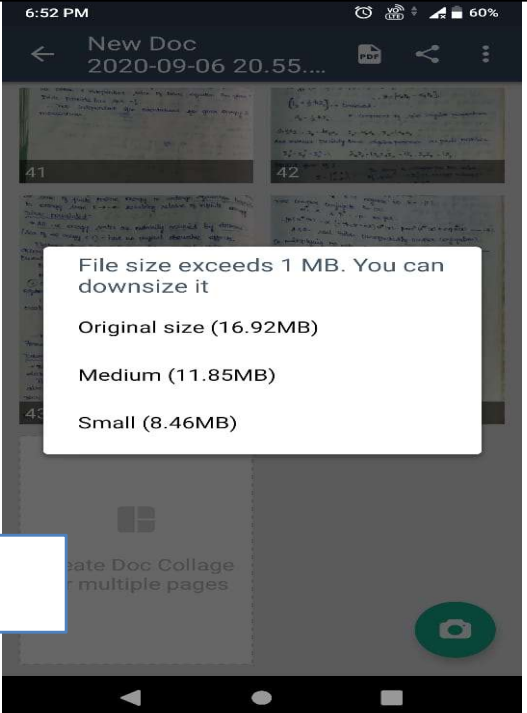
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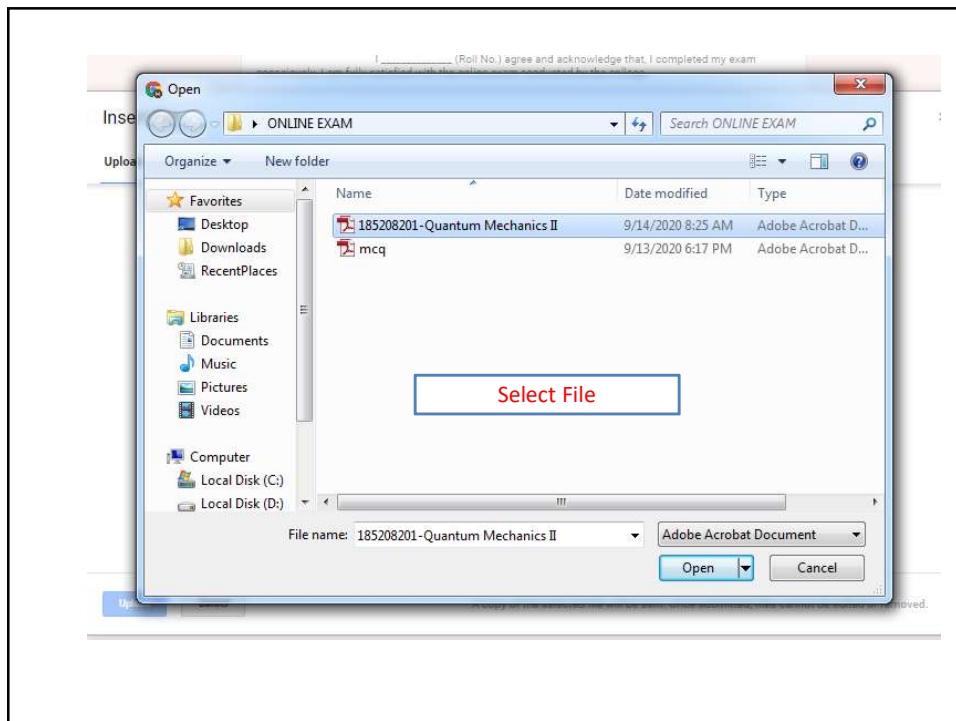
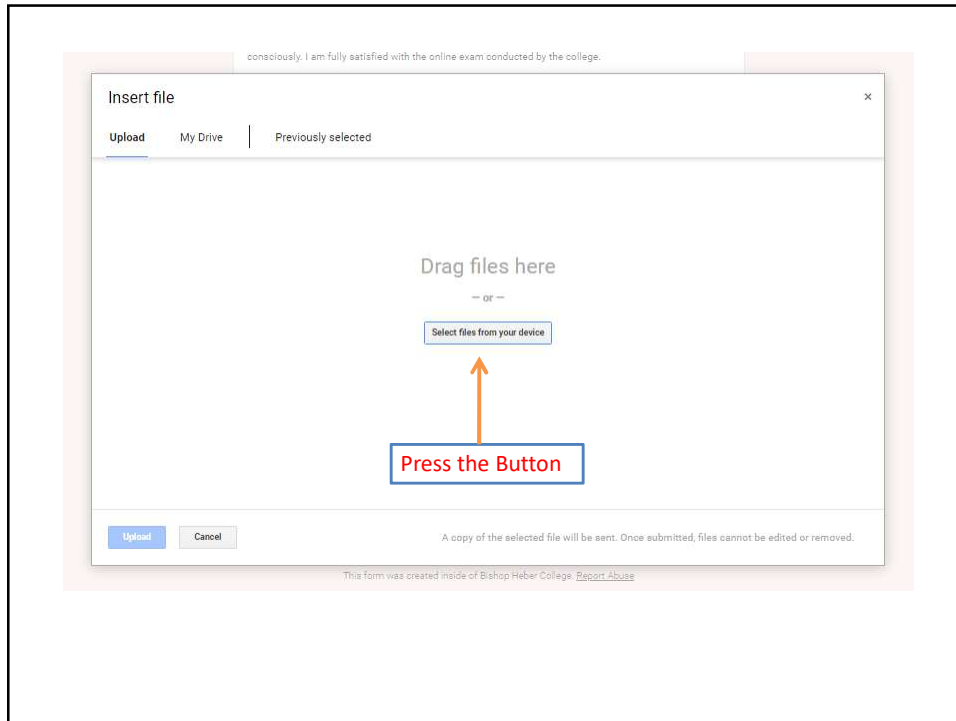
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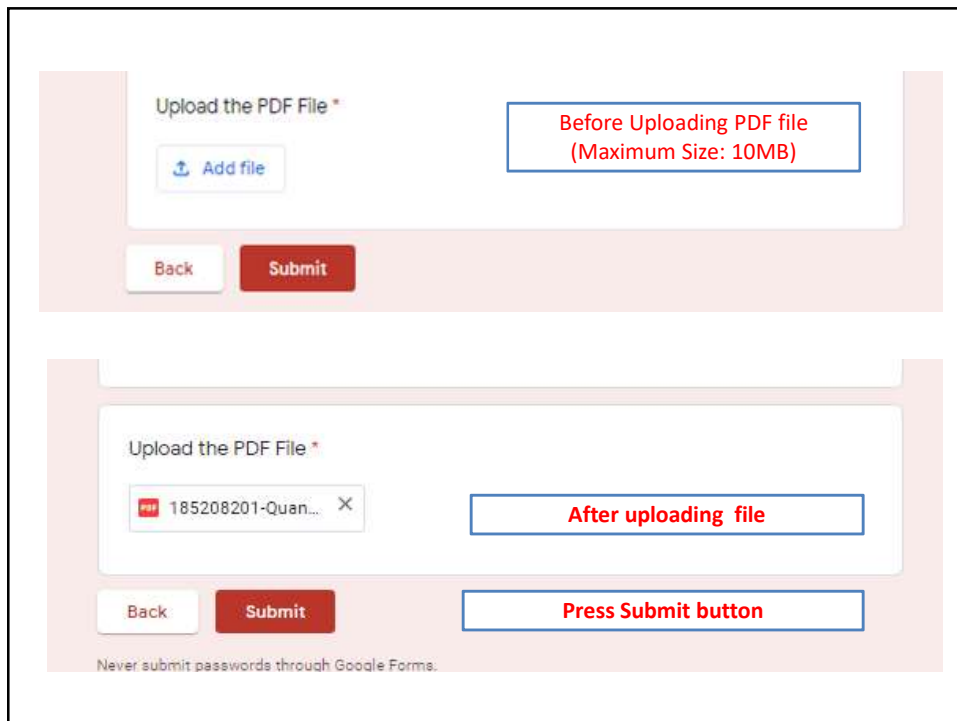
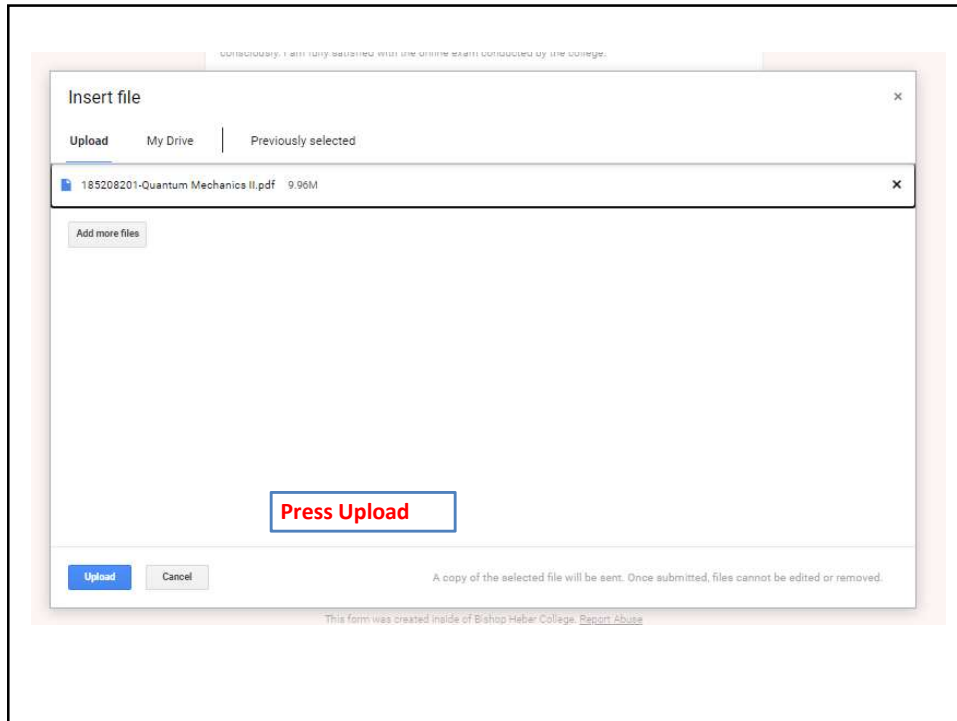
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Quantum Mechanics - II

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