

Question 1 (a)

①

Patient ID	Doctor ID	Appointment ID	P Name	P Address	D Name	Spec	A date	A time
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Patient ID	Doctor ID	Appointment ID	P Name	P Address	D Name	Spec	A date	A time	Dep	Fee	Pw details	M-N	M-P

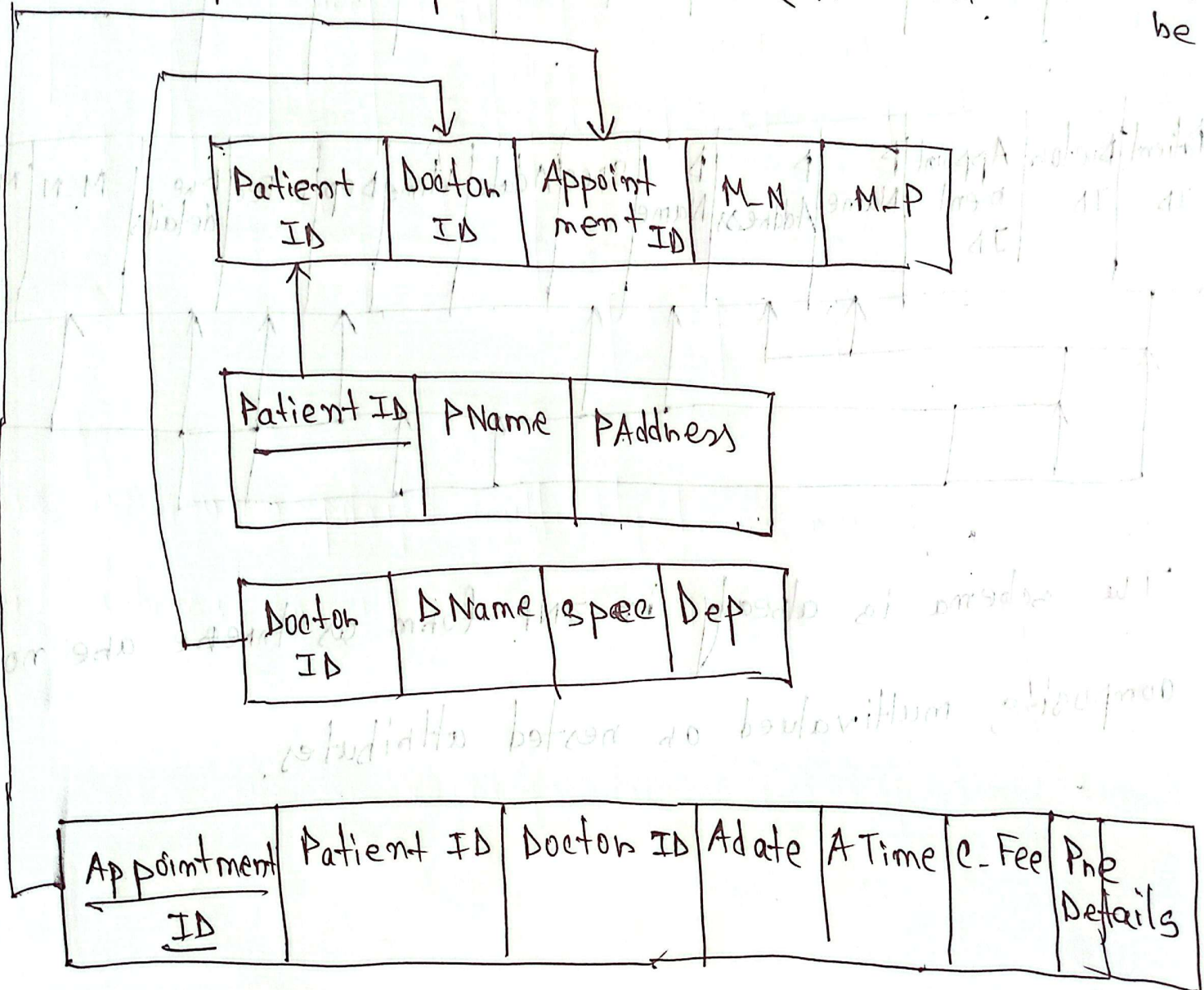
The schema is already in 1NF form as there are no composite, multivalued or nested attributes.

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1/b

2

There are partial dependencies In 2NF form, it should be



①

1/e

③

There is one transitive dependency. In 3NF it should be

<u>Patient ID</u>	<u>Doctor ID</u>	<u>Appointment ID</u>
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<u>Patient ID</u>	PName	PAddress
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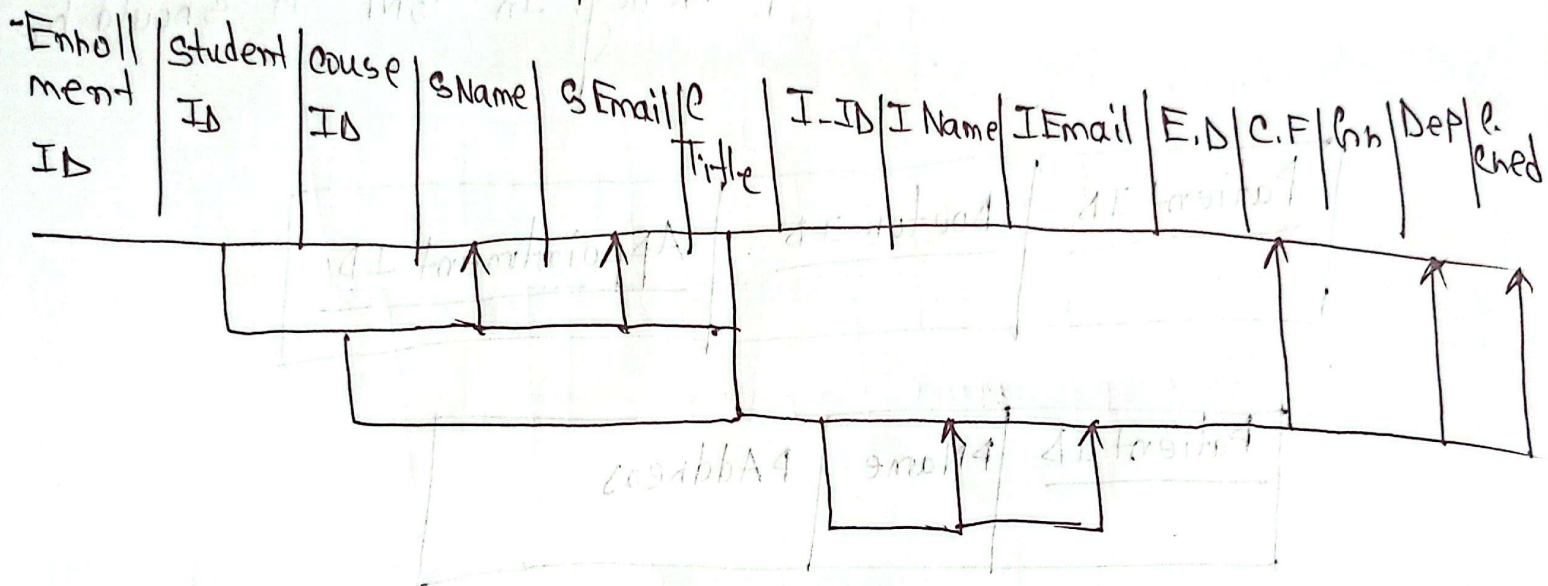
<u>Doctor ID</u>	DName	Spec	Dep
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Appointment ID	Patient ID	Doctor ID	A Date	A Time	c-Fee	Phe-Details
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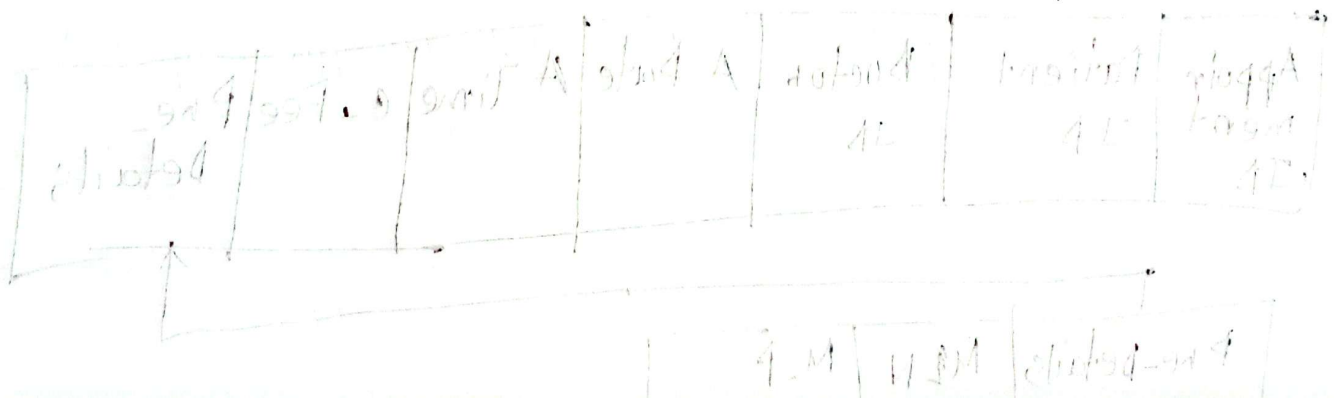
Phe-Details	M-LN	M-P
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Question 2

2/a



There are no composite, multivalued or nested attributes in the schema. So, it is in 1NF from already.



2/b

(5)

There are partial dependencies in the schema. The 2NF form should look like this

Enrollment <u>ID</u>	<u>Student ID</u>	course <u>ID</u>	I-ID	IName	IEmail	E-D	Gn
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<u>Student ID</u>	SName	S Email
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<u>course ID</u>	cTitle	c-F	Dep	c-Ched
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6

2c

There are transitive dependencies in the schema. The 3NF form should look like this

