



The Institute of Chartered Accountants of India

Code: IN7ES419078
Subject : 07A Enterprise Information Systems

Total Marks: 35
Marks Obtained : 28

Number of Answer Books used : Main + 0 additional sheets

For use by ICAI only

419078



05 FEB 2021

Q.No.	To be ticked (✓) by the candidate against the Questions answered	Marks Awarded (To be filled by Examiner)					Total
		a	b	c	d	e	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
Total							



Use only Blue / Black Ball Point Pen to write and shade the circles.
AVOID RED PEN.
Write the marks in the boxes before shading the respective circles.

Total Marks awarded

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

Total Marks awarded (in words) _____

Examiner's Signature _____



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INSTRUCTIONS TO THE CANDIDATE

Answers are not to be written on this page

1. Roll number should be written in figures and words in the allotted space at the right hand of the cover sheet only and nowhere else including additional answer book/s and graph paper.
2. Roll number should be written in the box in numbers and darken the appropriate circles of the OMR portion provided in the right hand corner of the cover page with **Black / Blue** ball point pen.
3. Fill particulars such as name of Examination, Paper No. and subject at the appropriate space at the left hand upper corner.
4. Remove the Bar Code sticker of the particular paper from the Attendance sheet and affix the same on the box provided in the right hand corner of the cover page.
5. Since a machine will read the Roll no., please check and ensure that Roll number written in numbers, words and circles darkened are correct. In case any candidate fills this information wrongly, Institute will not take any responsibility for rectifying the mistake.
6. The answers should be written neatly and legibly.
7. The answer to each question must be commenced on a fresh page and question number prominently written at the top of each answer. Alternatively, the question number should be distinctly written in the margin.
8. The answer to each question in all parts should be fully completed in one page or in a consecutive set of pages, before the next question is taken up.
9. The candidates are required to write answers of Section A in the answer booklet with the marking (A) on the cover page and answers of Section B in the answer booklet with the marking (B) on the cover page. In case a candidate writes the answers in wrong set of answer books the same will be not be valued and no correspondence in this regard will be entertained.
10. Writing of Roll number in place/s other than the space provided for the purpose or writing distinguishing mark, symbols like "OM", "Sri", "Jesus", "786", etc., will tantamount to adoption of "unfair means"
11. Before submission of answer book to the invigilator take care to score out (X) blank pages, if any, that you might have left.



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Part-II

Ans. (1a)

→ Data Warehouse is a process of
• extraction of data from one or more
databases &
• loading it into the data warehouse
for storage & analysis.

→ the data is standardized.

→ Since, data is received from various
different sources, it is highly
possible that they use different
formats or units.

→ For example: In case of date,
one dept may record in
dd/mm/yyyy format,
but other dept, records in
mm/dd/yyyy format.

→ In such case, a standardised date
format must be agreed upon. &
all the data entered in warehouse,
should be ~~entered~~ ^{transformed} into the standardised
format, to make it comparable.



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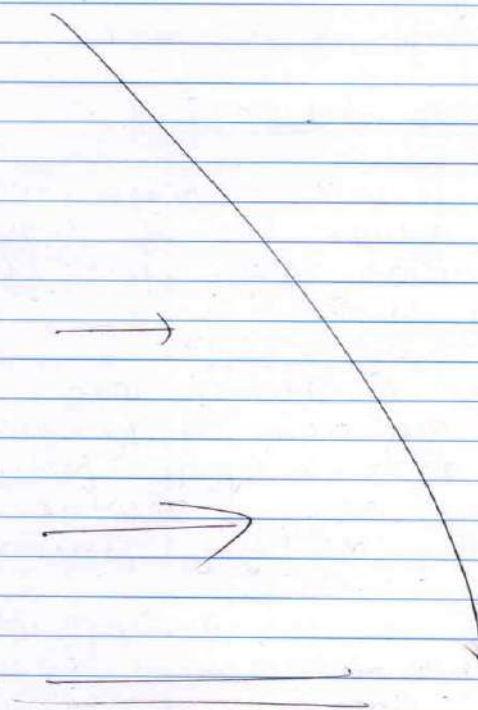
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2.5 1a

This process of Extraction, Transformation into standardised format & loading into the data Warehouse, is called Extraction - Transformation Load (ETL).

2.5 1aStep1





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Ans (16)

- Virtual memory :- • Virtual memory is in fact not ☐ separate memory, but an imaginary memory area supported by operating system in conjunction with the hardware.
- When Random access memory (RAM) is required to run a program, lacks in a computer, Windows uses Virtual memory to compensate.
 - When RAM ~~is~~ runs low, it transfers the data from RAM to ☐ ~~the~~ separate/special file called paging file ☐.
- Secondary Memory :- • CPU refers to the main memory for execution of programs or database, but main memory is volatile in nature, in addition to small in storage capacity.
- Thus, secondary memory is used for storing data or programs in a computer (hard disk, etc) ☐.



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1

1bStep1

~~the characteristics~~

1

1bStep2

The characteristics of secondary memory are +

2

1b

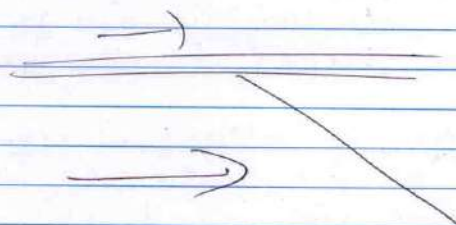
- ~~Non-volatile~~ Non-volatile
- Slow speed
- Greater economy
- Greater capacity.

4.5

Q1

→ Comparison :- Secondary memory is the actual memory device, while virtual memory is an imaginary.

- ~~It is~~ Secondary memory is used to store data & program. Virtual memory is used only when RAM runs low.





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Ans (4a.)

- Money laundering is the process by which proceeds of the crime & some ownership of the proceeds are concealed or made opaque, so that they appear to come from a legitimate source.
- The objective is to make 'dirty' money "clean" by illegal process.
- It is used by criminals.
- It involves conversion of illegal proceeds, illegal sources of income into legal income.

→ The stages of money laundering are +

(i) Placement :- The first stage is Placement, which involves placement of proceeds illegal proceeds or source, into a front place & in a front less suspicious to follow.



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- (ii) Layering + - 'Layering' involves separation of proceeds from illegal sources, into using complex transactions designed to obscure the audit trail.
- They frequently use shell corporations, off shore banks or countries with loose secrecy laws or regulations for separation.
 - They hide their ~~proceeds~~ proceeds from illegal activities by separating them in a manner not suspicious.

- (iii) Integration + - This involves conversion of ~~illegal~~ proceeds income from illegal sources ~~into~~ apparently into a legitimate business income/ ~~earnings~~ conduct through a range of financial transactions.



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6 4aStep1

It creates illusion of a legitimate source of income for criminally deceived funds

6 4a

Example + fake invoices for goods exported, domestic sales, etc

DO NOT WRITE ANYTHING HERE

DO NOT WRITE ANYTHING HERE



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Ans(46)

0.5

4bStep1

Mortgage loan is a loan secured by the property of the lender for subject to which a loan is raised as a collateral to loan.

- It is used widely to obtain various properties & homes in the financial transaction.

Types of mortgage loan:

☐ Home loan / House loan - This is a loan given for the purchase or acquisition of a house / home by the lender, lender makes payment against the loan periodically.

☐ Top Up loan - Where an existing loan is already there, & an additional loan is taken for ~~renovations~~ ~~or~~ refurbishments ~~of the ex~~ ~~or~~ ~~reimbursements~~ or renovations of the existing loan.

DO NOT WRITE ANYTHING HERE

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Barcode

DO NOT WRITE ANYTHING HERE

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DO NOT WRITE ANYTHING HERE

3.5 4b

3 4bStep2

9.5 Q4

Loan for
Property / Home under construction.

This loan is disbursed in
tranches / instalments depended
upon the completion of
the activity for the construction
of the house.

Diagram showing a flow from a box labeled 'Q4' to a box labeled '3' and then to a box labeled '3.5'.



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Ans (5a)

→ Benefits of Business & Process Automation are as following:-

→ Consistency & Reliability: The consistency of automated processes mean stakeholders can rely on automate processes to operate & offer reliable processes to customers, thereby gaining a cost advantage.

→ Improved Operational Efficiency: • Automation reduces the time it takes to achieve a task, effort required to undertake it & the cost of completing it successfully.

• It not only ensures system run smoothly & efficiently, but also that the errors & are eliminated & best practices are constantly improved.



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6 5a

→ Reduced Costs - Manual costs, given they are performed one a time and at a slower speed than automated tasks, will cost more.

2 5aStep1

→ Time Savings - Automation reduces the number of tasks an employee would otherwise be forced to do manually.

• It frees up time to work on items that add genuine value to the organization.

→ Realign process steps Reduce turnaround times.

→ Increased Visibility

→ Quality & Consistency.

4 5aStep2



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14		
		
<u>Ans (5b)</u>		
<u>Basis</u>	<u>Installed Application</u>	<u>Cloud Based Application</u>
10 Q5		
(1) Performance	• A well written installed application shall always be faster than web/cloud application, reason being data is picked from local server.	• Access is dependent on speed of internet. Slow speed of internet slows down operations & slow access.
2 5bStep1		
4 5b		
(2) Mobile Application	• Using this software through mobile application is very difficult in this case.	• Mobile Application is very easy, as data is available <u>24x7x365</u> . Or <u>24x7</u>
(3) Accessibility	• This software is installed on the hard ~~disk~~ disk of the user's computer, hence	As data is installed on ~~web browser~~ web server, user needs only browser &



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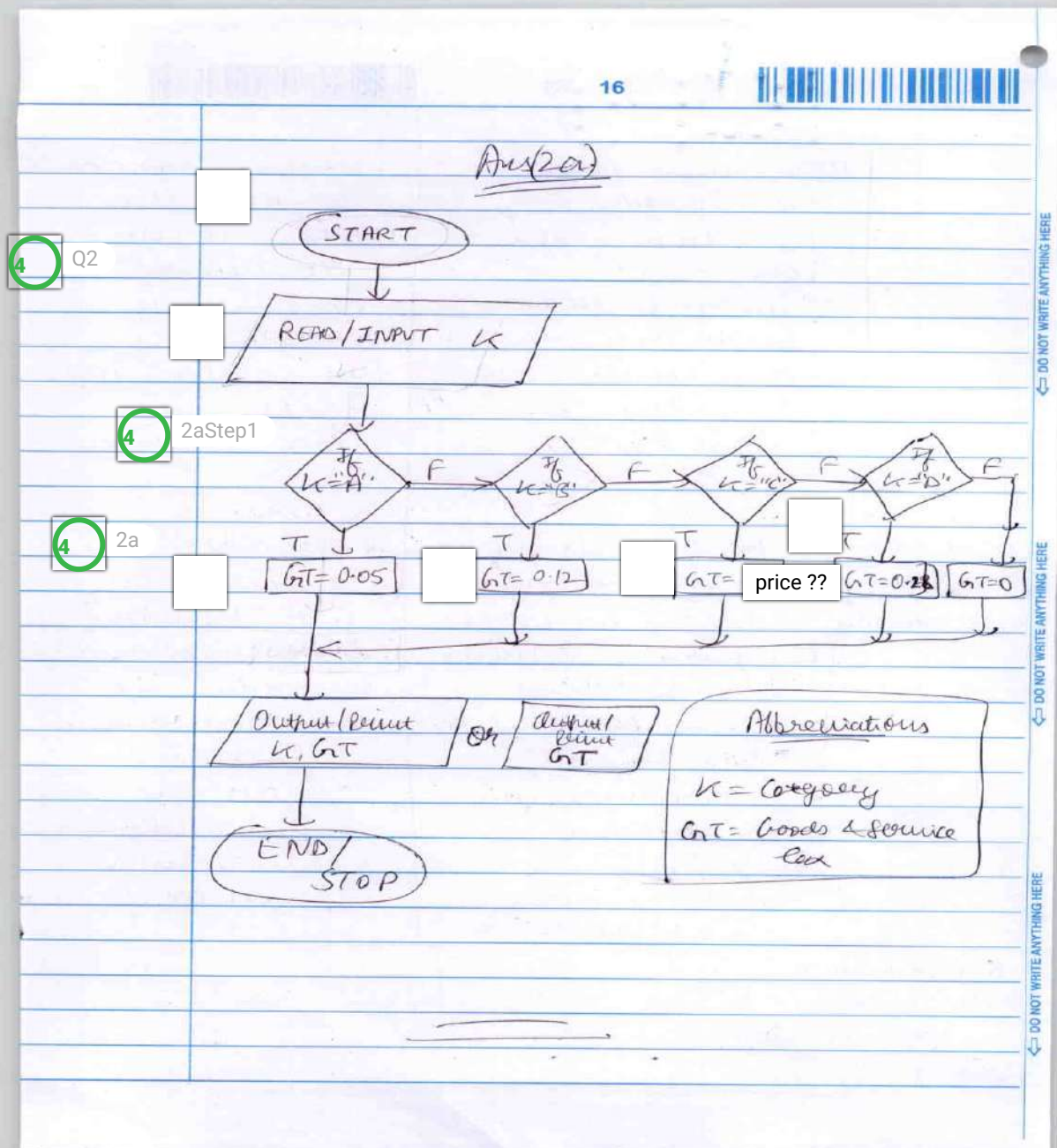
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15	
Users need to go to the computer only for accessing the data & cannot be accessed from any other device in the world.	With internet connections to access the data, it can be accessed from any computer in the world, user needs not to go to the computer.
2 5bStep2	
(i) Installation - As data is installed on the hard disc of the user's computer, it needs to be installed one by one, & maintenance & updation requires a lot of time & efforts.	As data is installed on web server, user need not to install it & maintenance & updation are the responsibilities of the service provider.
(5) Flexibility (6) Data storage (7) Data security	



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Ans (36)

(i) BHIM (Bharat Interface for Money) :-

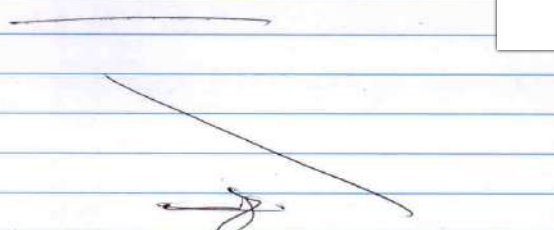
- It is a payment app developed by National Payment Corporation of India (NPCI) which is based on UPI.

2 3biStep1

- It facilitates e-payments between two banks or accounts on any bank in real-time.

2 3bi

- It is developed on instant payment service.
- It facilitates e-payments directly through bank.
- between two users at any location.





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(ii) USSD - A revolutionary idea, where to make payment through phone, there is ~~need~~ ^{no} need of any ~~and~~ internet or ~~for~~ smartphone.

Q3 USSD or Unstructured Supplementary Service Data or x99# Banking is a digital ~~payment~~ mobile banking based digital payment based payment mode.

• It is as easy as checking of balance.

• User can perform variety of services, such as checking for ~~gross~~ balances, deposits withdrawal, payment, etc

2 3biiStep1

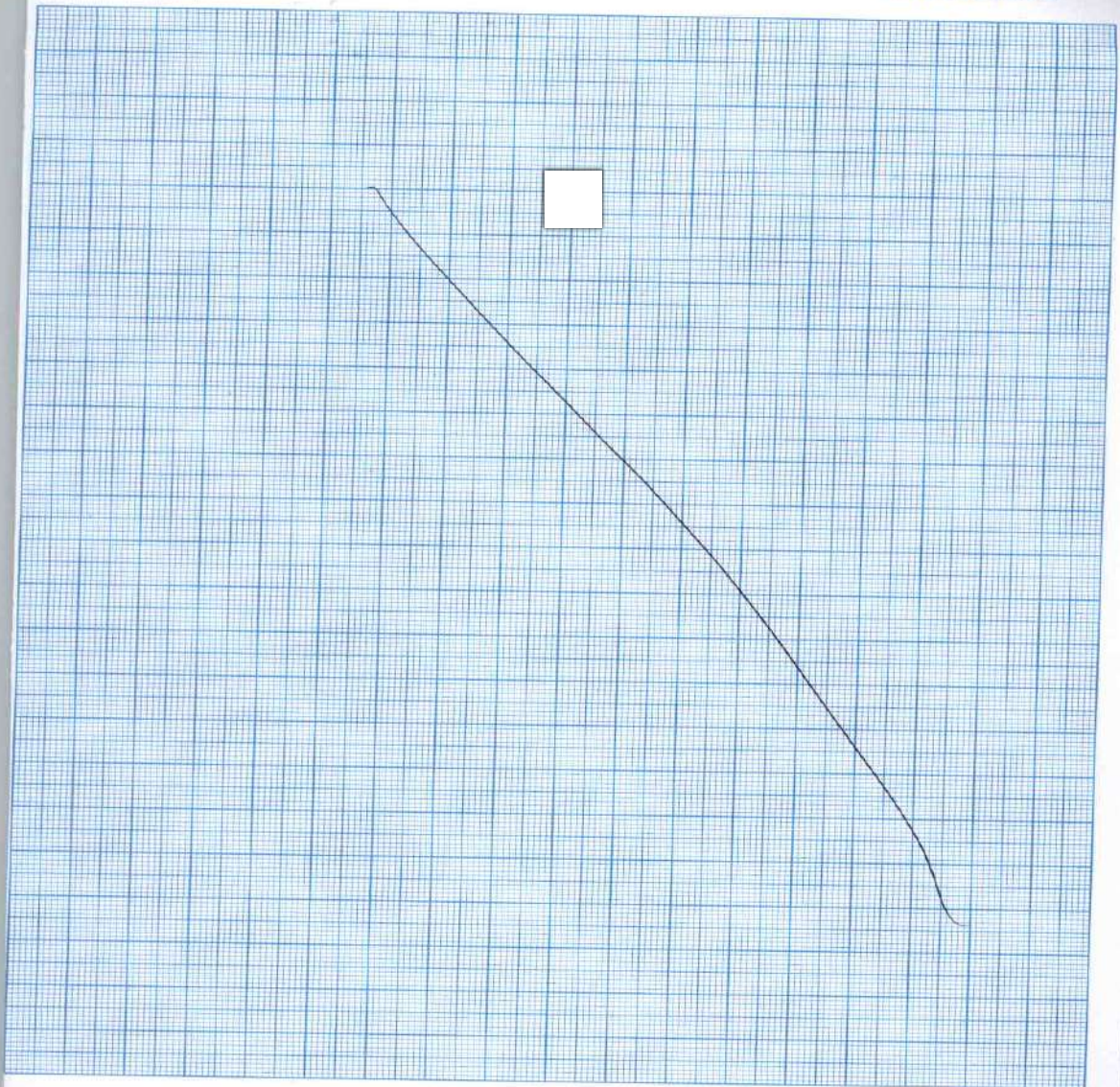


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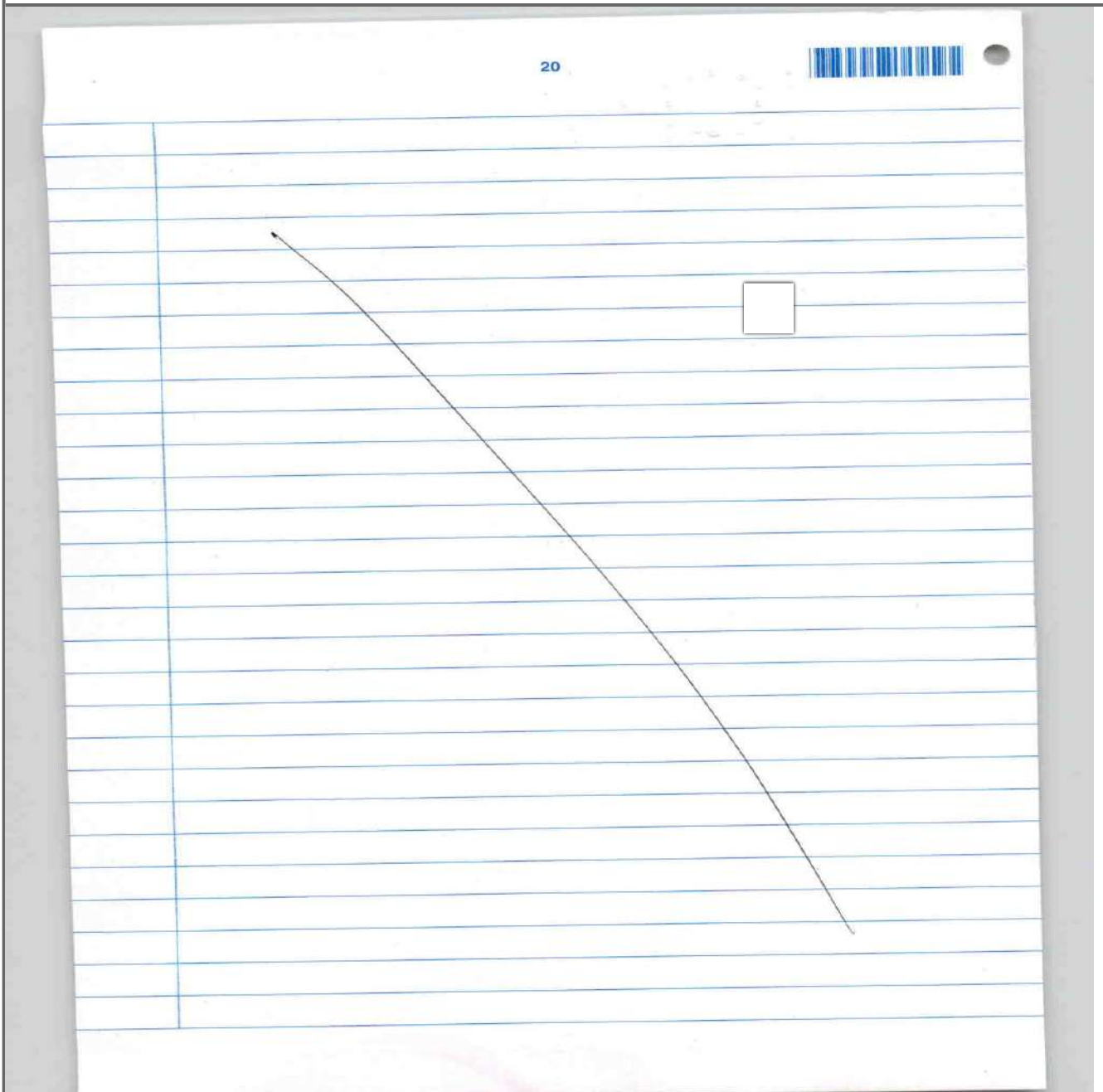




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Result Overview

Awarded Marks: 28 Max Marks:35

NA Not Attempted O Optional M Marked

Q1_Compulsory (Score: 4.5/5)

Question No	Awarded Marks	Maximum Marks	Status
Q1	4.5	5	M
1a	2.5	3	M
1b	2	2	M

Q2_Q5 (Score: 23.5/30)

Question No	Awarded Marks	Maximum Marks	Status
Q2	4	10	O
2a	4	6	O
2b	0	4	O
Q3	4	10	M
3a	NA	6	NA
3bi	2	2	M
3bii	2	2	M
Q4	9.5	10	M
4a	6	6	M
4b	3.5	4	M
Q5	10	10	M
5a	6	6	M
5b	4	4	M