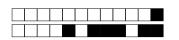


Timing: 9.3	30 to 10.30 AM	Spring 20	23, II	Max Mark: 20			
Name:			Div/T	utorial:			
Roll Numb	er:		,				
	Please read the fol	lowing instruction	n before answering	g the question.			
a. The (Optica	al Mark Recognition)	OMR sheet will	be collected back	at 10.30 AM.			
b. There is 15	questions in Part A.	Every question co	ontains a single co	orrect answer.			
	pen to fill the correctionly be evaluated.		OMR sheet. Ans	swer provided in the OMF			
Question 1	Only a perfect resp	onse will be score	d 1 point - other	wise, null score. Test/4			
	A Wrong	B Correct	C Wrong	D Wrong			
Question 2	Only a perfect resp	onse will be score	d 1 point - other	wise, null score. Test/2			
	A Wrong	B Wrong	C Correct	D Wrong			
Question 3	Only a perfect resp	onse will be score	d 1 point - other	wise, null score. Test/1			
	A Wrong	B Wrong	C Correct	D Wrong			
Question 4	Only a perfect resp	onse will be score	d 1 point - other	wise, null score. Test/3			
	A Wrong	B Wrong	C Correct	D Wrong			
Question 5	This question is rel	ated to Limit/4.	The correct answer	er is Option A.			
A	Option A B	Option D	C Option C	D Option B			
Question 6	This question is rel	ated to Limit/3.	The correct answe	er is Option D.			
A	Option C B	Option B	C Option D	D Option A			
Question 7	This question is rel	ated to Limit/2.	The correct answer	er is Option B.			
A	Option B B	Option C	C Option A	D Option D			
Question 8	This question is rel	ated to Sequence,	/2. The correct ar	nswer is Option B.			
A	Option B B	Option D	C Option C	D Option D			

For your examination, preferably print documents compiled from auto-

 $\ \, \text{multiple-choice}.$



This question is related to Sequence/4. What is the limit of the sequence $\left\{\frac{1}{n}\right\}$ Question 9

- A 0 B Not Defined
- C 1
- $\boxed{\mathrm{D}}$ ∞

Question 10 This question is related to Sequence/3. The correct answer is Option A.

- Option A
- B Option C
- C Option D
- D Option B

This question is related to Series/7. What is the sum of $\sum \frac{1}{n^4}$ Question 11

- [A] $\frac{\pi^4}{90}$ [B] $\frac{\pi^4}{15}$ [C] $\frac{\pi^2}{6}$ [D] $\frac{\pi^2}{90}$

This question is related to Series/6. What is the sum of $\sum \frac{1}{n^2}$ Question 12

- $\boxed{A} \quad \frac{\pi^2}{3} \qquad \boxed{B} \quad \frac{\pi^2}{2} \qquad \boxed{C} \quad \frac{\pi^2}{6} \qquad \boxed{D} \quad \frac{\pi}{4}$

This question is related to Series/2. The correct answer is Option D. Question 13

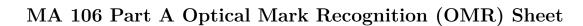
- A Option C
- B Option A
- C Option D
- D Option B

Question 14 This question is related to Series/1. The correct answer is Option B.

- A Option D
- B Option C
- C Option A
- D Option B

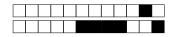
Question 15 This question is related to Series/3. The correct answer is Option C.

- Option C
- B Option B
- C Option D
- Option A



Encode Rollnumber	Division	
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Q1.	A	В	\mathbf{C}	D	Q9.	A	В	\mathbf{C}	D
Q2.	A	В	\mathbf{C}	D	Q10.	A	В	\mathbb{C}	D
Q3.	A	В	\mathbf{C}	D	Q11.	A	В	$\overline{\mathbf{C}}$	D
Q4.	A	В	\mathbf{C}	D	Q12.	A	В	$\overline{\mathbb{C}}$	D
Q5.	A	В	\mathbf{C}	D	·				
Q6.	A	В	\mathbf{C}	D	Q13.	A	В	С	D
Q7.	A	В	\mathbf{C}	D	Q14.	A	В	\mathbb{C}	\Box
Q8.	A	В	$\overline{\mathbf{C}}$	D	Q15.	A	В	$\overline{\mathbf{C}}$	$\overline{\mathbf{D}}$



Timing: 9.30 to 10.30 AM	Spring 2023, II	Max Mark: 20

rinning. J.o	00 to 10.30 MM	Spring 20	,20, 11	Max Mark. 20
Name:			Div /Tu	torial:
Roll Numb	er:		Div/Tu	ttoriai.
	Please read the foll	owing instructio	n before answering	the question.
a. The (Optica	l Mark Recognition)	OMR sheet will	be collected back a	t 10.30 AM.
b. There is 15	questions in Part A.	Every question of	contains a single con	rect answer.
	pen to fill the correctionly be evaluated.	t choices in the	OMR sheet. Ansv	ver provided in the OMR
Question 1	Only a perfect respo	onse will be scor	ed 1 point - otherw	ise, null score. Test/1
	A Wrong	B Wrong	C Correct	D Wrong
Question 2	Only a perfect respe	onse will be score	ed 1 point - otherw	ise, null score. Test/2
	A Wrong	B Correct	C Wrong	D Wrong
Question 3	Only a perfect respo	onse will be score	ed 1 point - otherw	ise, null score. Test/4
	A Wrong	B Correct	C Wrong	D Wrong
Question 4	Only a perfect respe	onse will be score	ed 1 point - otherw	ise, null score. Test/3
	A Wrong	B Wrong	C Wrong	D Correct
Question 5	This question relate	ed to Limit/1. T	he correct answer is	s Option A.
A	Option B B	Option D	C Option C	D Option A
Question 6	This question is rela	ated to Limit/2.	The correct answer	is Option B.
A	Option D B	Option A	C Option B	D Option C
Question 7	This question is rela	ated to Limit/4.	The correct answer	is Option A.
A	Option C B	Option B	C Option A	D Option D
Question 8	This question is rela	ated to Sequence	/1. The correct ans	swer is Option A.
Δ	Option C B	Ontion B	C Option D	D Option A

For your examination, preferably print documents compiled from automultiple-choice.



This question is related to Sequence/4. What is the limit of the sequence $\left\{\frac{1}{n}\right\}$ Question 9

- A Not Defined
- \mathbb{B} ∞
- C 1
- D = 0

Question 10 This question is related to Sequence/3. The correct answer is Option A.

- A Option B
- B Option C
- C Option D
- D Option A

Question 11 This question is related to Series/5. The correct answer is Option D.

- A Option C
- B Option D
- C Option A
- D Option B

Question 12 This question is related to Series/4. The correct answer is Option C.

- Α Option A
- B Option B
- C Option C
- D Option D

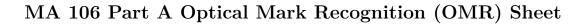
This question is related to Series/6. What is the sum of $\sum \frac{1}{n^2}$ Question 13

- $\boxed{A} \quad \frac{\pi^2}{3} \qquad \boxed{B} \quad \frac{\pi^2}{2} \qquad \boxed{C} \quad \frac{\pi}{4} \qquad \boxed{D} \quad \frac{\pi^2}{6}$

This question is related to Series/7. What is the sum of $\sum \frac{1}{n^4}$ Question 14

This question is related to Series/1. The correct answer is Option B. Question 15

- A Option D
- B Option A
- C Option B
- D Option C



	Encode Rollnumber								Division	
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В	В	В	В	В	В	В	В	В		
D	D	D	D	D	D	D	D	D		

Q1.	A	В	\mathbf{C}	D	Q9.	A	В	\mathbb{C}	D
Q2.	A	В	\mathbf{C}	D	Q10.	A	В	\mathbf{C}	D
Q3.	A	В	\mathbf{C}	D	Q11.	A	В	$\overline{\mathbf{C}}$	D
Q4.	A	В	\mathbf{C}	D	Q12.	A	В	<u>C</u>	D
Q5.	A	В	\mathbf{C}	D	Q12.	A	ш		
Q6.	A	В	\mathbf{C}	D	Q13.	A	В	С	D
Q7.	A	В	\mathbf{C}	D	Q14.	A	В	\mathbf{C}	D
Q8.	A	В	$\overline{\mathbf{C}}$	D	Q15.	A	В	$\overline{\mathbf{C}}$	D



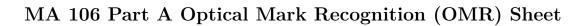
Timing: 9.30	to 10.30 AM	Spring 20	023, II	Max Mark: 20	
Name:			Div/T	Sutorial:	
Roll Numbe	r:		,		
	Please read the	following instruction	n before answerin	g the question.	
a. The (Optical)	Mark Recognition	on) OMR sheet will	be collected back	at 10.30 AM.	
b. There is 15 qu	estions in Part	A. Every question of	contains a single of	correct answer.	
	n to fill the cor		OMR sheet. An	swer provided in the C)MR
Question 1	Only a perfect re	esponse will be scor	ed 1 point - other	wise, null score. Test/2	
	A Wrong	B Wrong	C Wrong	D Correct	
Question 2	Only a perfect re	esponse will be scor	ed 1 point - other	wise, null score. Test/3	
	A Correct	B Wrong	C Wrong	D Wrong	
Question 3 (Only a perfect re	esponse will be scor	ed 1 point - other	wise, null score. Test/1	
	A Wrong	B Correct	C Wrong	D Wrong	
Question 4 (Only a perfect re	esponse will be scor	ed 1 point - other	wise, null score. Test/4	
	A Correct	B Wrong	C Wrong	D Wrong	
Question 5	Γhis question is	related to Limit/3.	The correct answ	ver is Option D.	
A	Option A	B Option C	C Option B	D Option D	
Question 6	Γhis question re	lated to Limit/1. T	he correct answer	is Option A.	
A	Option A	B Option B	C Option C	D Option D	
Question 7	This question is	related to Limit/4.	The correct answ	ver is Option A.	
A	Option C	B Option A	C Option B	D Option D	
Question 8	Γhis question is	related to Sequence	e/1. The correct a	answer is Option A.	
$oxed{A}$	Option A	B Option C	C Option D	D Option B	

For your examination, preferably print documents compiled from auto-

 $\ \, \text{multiple-choice}.$



Question 9	This question is	s related to Sequence	$\frac{1}{2}$. The correct ans	wer is Option B.
A	Option B	B Option C	C Option D	D Option D
Question 10	This question	is related to Sequence	ce/4. What is the lin	mit of the sequence $\left\{\frac{1}{n}\right\}$
	$oxed{A}$ ∞	B Not Define	d <u>C</u> 1	D 0
Question 11	This question	is related to Series/4	l. The correct answe	er is Option C.
A	Option B	B Option D	C Option C	D Option A
Question 12	This question	is related to Series/2	2. The correct answer	er is Option D.
A	Option A	B Option D	C Option C	D Option B
Question 13	This question	is related to Series/3	3. The correct answer	er is Option C.
$oxed{A}$	Option D	B Option B	C Option C	D Option A
Question 14	This question	is related to Series/5	5. The correct answer	er is Option D.
A	Option D	B Option B	C Option C	D Option A
Question 15	This question	is related to Series/1	. The correct answe	er is Option B.
A	Option D	B Option C	C Option A	D Option B



	Encode Rollnumber								Division	
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2	2	2	2	2	2	2	2	2	3	
3	3	3	3	3	3	3	3	3	4	
4	4	4	4	4	4	4	4	4		D 1
5	5	5	5	5	5	5	5	5		Rollnumber:
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7	7	7	7	7	7	7	7	7		Div./Tut.:
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9	9	9	9	9	9	9	9	9		
В	В	В	В	В	В	В	В	В	Y	
D	D	D	D	D	D	D	D	D		

Q1.	A	В	\mathbf{C}	D	Q9.	A	В	$oxed{C}$	D
Q2.	A	В	\mathbf{C}	D	Q10.	A	В	\mathbf{C}	D
Q3.	A	В	\mathbf{C}	D	Q11.	A	В	$\overline{\mathbf{C}}$	D
Q4.	A	В	\mathbf{C}	D	Q12.	A	В	<u> </u>	$\overline{\mathbf{D}}$
Q5.	A	В	\mathbf{C}	D	· ·				
Q6.	A	В	\mathbf{C}	D	Q13.	A	В	С	D
Q7.	A	В	\mathbf{C}	D	Q14.	A	В	\mathbf{C}	D
Q8.	A	В	$\overline{\mathbf{C}}$	D	Q15.	A	В	$\overline{\mathbf{C}}$	$\overline{\mathbf{D}}$



Spring 2022 II

Timing: 9.5	30 to 10.30 AM	Spring	2023, 11	Max Mark: 20	
Name:			Div /T	ut a viale	
Roll Numb	oer:		Div/T	ntoriai:	
	Please read the	e following instructi	ion before answering	the question.	
a. The (Optica	al Mark Recognit	ion) OMR sheet wi	ll be collected back	at 10.30 AM.	
b. There is 15	questions in Part	A. Every question	contains a single co	rrect answer.	
- ,	pen to fill the co		e OMR sheet. Ans	wer provided in the ON	4R
Question 1	Only a perfect	response will be sco	ored 1 point - otherw	vise, null score. Test/1	
	A Wrong	B Correct	C Wrong	D Wrong	
Question 2	Only a perfect	response will be sco	ored 1 point - otherw	vise, null score. Test/3	
	A Correct	B Wrong	C Wrong	D Wrong	
Question 3	Only a perfect	response will be sco	ored 1 point - otherw	vise, null score. Test/2	
	A Correct	B Wrong	C Wrong	D Wrong	
Question 4	Only a perfect	response will be sco	ored 1 point - otherw	vise, null score. Test/4	
	A Wrong	B Correct	C Wrong	D Wrong	
Question 5	This question is	s related to Limit/2	2. The correct answer	er is Option B.	
A	Option D	B Option A	C Option C	D Option B	
Question 6	This question is	s related to Limit/3	3. The correct answer	er is Option D.	
A	Option B	B Option C	C Option A	D Option D	
Question 7	This question r	elated to Limit/1.	The correct answer i	s Option A.	
A	Option D	B Option A	C Option B	D Option C	
Question 8	This question is	s related to Sequence	ce/3. The correct an	swer is Option A.	
A	Option D	B Option A	C Option C	D Option B	

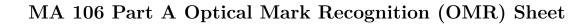
For your examination, preferably print documents compiled from automultiple-choice.



- This question is related to Sequence/1. The correct answer is Option A. Question 9
 - A Option B
- B Option A
- C Option C
- D Option D
- Question 10 This question is related to Sequence/2. The correct answer is Option B.
 - A Option B
- B Option D
- C Option D
- D Option C
- This question is related to Series/7. What is the sum of $\sum \frac{1}{n^4}$ Question 11
 - A $\frac{\pi^4}{15}$ B $\frac{\pi^2}{6}$ C $\frac{\pi^4}{90}$ D $\frac{\pi^2}{90}$

- This question is related to Series/6. What is the sum of $\sum \frac{1}{n^2}$ Question 12

 - $\boxed{A} \quad \frac{\pi^2}{6} \qquad \boxed{B} \quad \frac{\pi^2}{2} \qquad \boxed{C} \quad \frac{\pi}{4} \qquad \boxed{D} \quad \frac{\pi^2}{3}$
- This question is related to Series/4. The correct answer is Option C. Question 13
 - Α Option B
- B Option D
- C Option A
- D Option C
- This question is related to Series/2. The correct answer is Option D. Question 14
 - A Option D
- B Option B
- C Option A
- D Option C
- Question 15 This question is related to Series/3. The correct answer is Option C.
 - Α Option D
- В Option C
- C Option A
- D Option B



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Q1.	A	В	\mathbf{C}	D	Q	9.	A	В	$oxed{C}$	D
Q2.	A	В	\mathbf{C}	D	Q	10.	A	В	\mathbf{C}	D
Q3.	A	В	\mathbf{C}	D	Q	11.	A	В	$\overline{\mathbf{C}}$	$\overline{\mathbf{D}}$
Q4.	A	В	\mathbf{C}	D	·	12.	A	В	<u> </u>	$\overline{\mathbf{D}}$
Q5.	A	В	\mathbf{C}	D	·			_		
Q6.	A	В	\mathbf{C}	D	Q	13.	A	В	С	D
Q7.	A	В	\mathbf{C}	D	Q	14.	A	В	\mathbb{C}	D
Q8.	A	В	$\overline{\mathbf{C}}$	D	Q	15.	A	В	C	D