Registration No :												1		
												_		
al Nu	mber of Pages	: 01											FR	M.Sc. 3EF101
	10	th Se	mes	ter R	egul	ar E	kami	natio	n 20	18-1	9			, LI 101
	P	PARA							MPU1	ΓING				
							•	•						
Α													e rest	
	The fig	gures	in t	he ri	ght h	and	març	gin ir	ndica	ite m	arks	·-		
	Answer the following questions :													(2 x 10)
a)	What is Parallel Computing? What are the advantages of using it?													
b)	Define Latency and Bandwidth of memory.													
-	·													
a)	network?													
e)	•				_									
-	·													
•			•			•	_	•						
j)	Define the metric "Speed Up". How this is used for parallel program?													
a)	What are the disadvantages of automatic parallelism?												(5)	
b)	How to partition	comp	utatio	onal v	vork a	ımon	g para	allel ta	ask?					(5)
a)	Explain efficiency in communication.											(5)		
b)	What is data dependencies and how to overcome data dependencies?									3 ?		(5)		
a)	What is static ar	nd dyr	namic	map	ping t	echn	ique,	expla	in wit	h exa	ample	?		(5)
b)	Compare One-to	o-All E	Broad	cast a	and A	ll-to-(One re	educt	ion.					(5)
a)	Explain messag	Explain message passing platform for parallel system.												(5)
b)	Explain fine grain parallelism.												(5)	
	What is task ded	compo	osition	n? Dis	scuss	diffe	rent ty	/pes	of de	comp	ositio	n.		(10)
	Describe a para	llel fo	rmula	tion c	of Mat	rix-ve	ector i	multip	olicatio	on alç	gorith	m.		(10)
		swer o	on an	y TW	/ 0 :									(5 x 2)
•		omb c	.dd:~ -											
c)	· -			-	rform	ance								
	al Nu a) b) c) d) e) f) g) h) i) j) a) b) a) b) a) b) a) b) a) b)	Answer Question The fig Answer the folion The fig Answer Question The fig Answer the folion The fig Answer Question The fig Answer Latency	Answer Question No The figures Answer the followin a) What is Parallel Comp b) Define Latency and B c) Explain the term Grar d) What are the major proper network? e) Explain parallel execute f) What is non uniform r g) Define cache coherer h) What is asymptotic ari i) What is All-to-All persij Define the metric "Spotal What are the disadva b) How to partition comp a) Explain efficiency in compart of the compart of	Answer Question No.1 will The figures in the figures in the Answer the following question by Define Latency and Bandwich Explain the term Granularitid What are the major performetwork? e) Explain parallel execution. f) What is non uniform memory Define cache coherent. h) What is asymptotic analysing What is All-to-All personality Define the metric "Speed Least What is data dependencies by How to partition computation as Explain efficiency in community What is static and dynamich What is static and dynamich Compare One-to-All Broad as Explain fine grain parallelis What is task decomposition Describe a parallel formula Write short answer on an Amdal's law. b) Topologies and embedding	Answer Question No.1 which The figures in the rig Answer the following question a) What is Parallel Computing? Wh b) Define Latency and Bandwidth of c) Explain the term Granularity. d) What are the major performance network? e) Explain parallel execution. f) What is non uniform memory ac g) Define cache coherent. h) What is asymptotic analysis of p i) What is All-to-All personalized of j) Define the metric "Speed Up". H a) What are the disadvantages of a b) How to partition computational of b) What is static and dynamic map b) Compare One-to-All Broadcast a a) Explain efficiency in communicate b) What is static and dynamic map b) Compare One-to-All Broadcast a a) Explain message passing platfo b) Explain fine grain parallelism. What is task decomposition? District the disadvantages of a b) How to partition computational of a) What is static and dynamic map b) Compare One-to-All Broadcast a b) What is task decomposition? District the disadvantages of a b) Explain fine grain parallelism. What is task decomposition? District the disadvantages of a b) Explain fine grain parallelism. What is task decomposition? District the disadvantages of a b) Explain fine grain parallelism. What is task decomposition? District the disadvantages of a b) Explain fine grain parallelism.	All Number of Pages: 01 10 th Semester Regul PARALLEL & DISTI BRANCH Max N Time: Q.COI Answer Question No.1 which is co The figures in the right he Answer the following questions: a) What is Parallel Computing? What are by Define Latency and Bandwidth of met c) Explain the term Granularity. d) What are the major performance met network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel i) What is asymptotic analysis of parallel i) What is All-to-All personalized community Define the metric "Speed Up". How the how to partition computational work at a) Explain efficiency in communication. b) What is static and dynamic mapping the by Compare One-to-All Broadcast and A a) Explain fine grain parallelism. What is task decomposition? Discuss Describe a parallel formulation of Mat Write short answer on any TWO: a) Amdal's law. b) Topologies and embedding.	Al Number of Pages: 01 10 th Semester Regular ExparalLEL & DISTRIBU BRANCH: M.: Max Marks Time: 3 H Q.CODE: Answer Question No.1 which is computation the right hand Answer the following questions: a) What is Parallel Computing? What are the b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel progular in the metric "Speed Up". How this is a what is All-to-All personalized communication. b) What are the disadvantages of automatic play in the metric "Speed Up". How this is a what are the disadvantages of automatic play in the metric mapping technical by the parallel formunication. b) What is data dependencies and how to over a what is static and dynamic mapping technical by Explain message passing platform for parable Explain fine grain parallelism. What is task decomposition? Discuss differed Describe a parallel formulation of Matrix-ver write short answer on any TWO: a) Amdal's law. b) Topologies and embedding.	Al Number of Pages: 01 10 th Semester Regular Examin PARALLEL & DISTRIBUTED BRANCH: M.Sc. I(I Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory The figures in the right hand marged Answer the following questions: a) What is Parallel Computing? What are the advance by Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for chanetwork? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used to the metric "Speed Up". How this is used to the metric parallel by How to partition computational work among parallel by How to partition computational work among parallel by How to partition computational work among parallel by Compare One-to-All Broadcast and All-to-One read to the parallel symptomic parallel formulation of Matrix-vector of the parallel formulation of Matrix-vector of the parallel symptomic p	10 th Semester Regular Examination PARALLEL & DISTRIBUTED CON BRANCH: M.Sc.I(MC) Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory and The figures in the right hand margin in Answer the following questions: a) What is Parallel Computing? What are the advantage b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for character network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used for paralled the disadvantages of automatic parallelism? b) How to partition computational work among parallel to the disadvantages of automatic parallelism? b) What is static and dynamic mapping technique, explain the disadvantage and how to overcome date a) What is static and dynamic mapping technique, explain to the disadvantage of automatic parallelism. b) What is static and dynamic mapping technique, explain the grain parallelism. What is task decomposition? Discuss different types Describe a parallel formulation of Matrix-vector multiput write short answer on any TWO: a) Amdal's law. b) Topologies and embedding.	10 th Semester Regular Examination 20 PARALLEL & DISTRIBUTED COMPUTE BRANCH: M.Sc.I(MC) Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory and any The figures in the right hand margin indicate Answer the following questions: a) What is Parallel Computing? What are the advantages of the parallel computing? What are the advantages of the parallel execution. b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for characterizing network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used for parallel a) What are the disadvantages of automatic parallelism? b) How to partition computational work among parallel task? a) Explain efficiency in communication. b) What is data dependencies and how to overcome data dependencies a	al Number of Pages: 01 10 th Semester Regular Examination 2018-1: PARALLEL & DISTRIBUTED COMPUTING BRANCH: M.Sc.I(MC) Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory and any FIVI The figures in the right hand margin indicate m Answer the following questions: a) What is Parallel Computing? What are the advantages of using b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for characterizing an in network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used for parallel prog a) What are the disadvantages of automatic parallelism? b) How to partition computational work among parallel task? a) Explain efficiency in communication. b) What is data dependencies and how to overcome data dependence a) What is static and dynamic mapping technique, explain with example the parallel system. b) Compare One-to-All Broadcast and All-to-One reduction. a) Explain fine grain parallelism. What is task decomposition? Discuss different types of decompunication aparallel formulation of Matrix-vector multiplication also write short answer on any TWO: a) Amdal's law. b) Topologies and embedding.	al Number of Pages: 01 10 th Semester Regular Examination 2018-19 PARALLEL & DISTRIBUTED COMPUTING BRANCH: M.Sc.I(MC) Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory and any FIVE fro The figures in the right hand margin indicate marks Answer the following questions: a) What is Parallel Computing? What are the advantages of using it? b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for characterizing an intercent network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used for parallel program? a) What are the disadvantages of automatic parallelism? b) How to partition computational work among parallel task? a) Explain efficiency in communication. b) What is static and dynamic mapping technique, explain with example b) Compare One-to-All Broadcast and All-to-One reduction. a) Explain message passing platform for parallel system. b) Explain fine grain parallelism. What is task decomposition? Discuss different types of decomposition Describe a parallel formulation of Matrix-vector multiplication algorithm Write short answer on any TWO: a) Amdal's law. b) Topologies and embedding.	10 th Semester Regular Examination 2018-19 PARALLEL & DISTRIBUTED COMPUTING BRANCH: M.Sc.I(MC) Max Marks: 70 Time: 3 Hours Q.CODE: F072 Answer Question No.1 which is compulsory and any FIVE from the The figures in the right hand margin indicate marks. Answer the following questions: a) What is Parallel Computing? What are the advantages of using it? b) Define Latency and Bandwidth of memory. c) Explain the term Granularity. d) What are the major performance metrics for characterizing an interconnect network? e) Explain parallel execution. f) What is non uniform memory access? g) Define cache coherent. h) What is asymptotic analysis of parallel program? i) What is All-to-All personalized communication? j) Define the metric "Speed Up". How this is used for parallel program? a) What are the disadvantages of automatic parallelism? b) How to partition computational work among parallel task? a) Explain efficiency in communication. b) What is data dependencies and how to overcome data dependencies? a) What is static and dynamic mapping technique, explain with example? b) Compare One-to-All Broadcast and All-to-One reduction. a) Explain message passing platform for parallel system. b) Explain fine grain parallelism. What is task decomposition? Discuss different types of decomposition. Describe a parallel formulation of Matrix-vector multiplication algorithm. Write short answer on any TWO: a) Amdal's law. Topologies and embedding.	Answer the following questions: a) What is Parallel execution. b) What is non uniform memory access? Joefine cache coherent. h) What is Ali-to-All personalized communication? j) Define the metric "Speed Up". How this is used for parallel program? What is Ali-to-All personalized communication. What is Ali-to-All Broadcast and All-to-One reduction. Explain message passing platform for parallel system. Explain fine grain parallelism. What is task decomposition? Discuss different types of decomposition. Describe a parallel formulation of Matrix-vector multiplication algorithm. What is task decomposition? Discuss different types of decomposition. Describe a parallel formulation of Matrix-vector multiplication algorithm. Write short answer on any TWO: Andal's law. Topologies and embedding.