	pard -
St	arted on
	State
Comp	oleted on
Tir	ne taken
Question 1	
Complete	
Marked out	of 1.00
<ul><li>○ b.</li></ul>	Decreases initially and then increases proportionately Increases proportionately Increases in a nonlinear manner
Question <b>2</b>	
Complete	
	of 1.00
Complete  Marked out  Water is  Select o	s heavier than air under standard conditions by
Water is Select o	s heavier than air under standard conditions by
Water is Select c a. b.	s heavier than air under standard conditions by ne: 500 times
Water is Select c a. b.	s heavier than air under standard conditions by one: 500 times

Question <b>3</b>	
Complete	
larked out of 1.00	
The factor that does not influenc the	e propelling force for moving the weft yarn on air jet loom is
Select one:	
a. Air velocity	
<ul> <li>b. Coefficient of friction between</li> </ul>	en air and yarn
c. Yarn strength	
Question <b>4</b>	
Complete	
Marked out of 1.00	
In air jet loom	
Select one:	
a. Each relay nozzle has separa	
<ul><li>a. Each relay nozzle has separce</li><li>b. Relay nozzles of a group star</li></ul>	t jetting at the same time
a. Each relay nozzle has separa	t jetting at the same time
<ul><li>a. Each relay nozzle has separe</li><li>b. Relay nozzles of a group star</li><li>c. All the relay nozzles start jett</li></ul>	t jetting at the same time
a. Each relay nozzle has separable. b. Relay nozzles of a group star c. All the relay nozzles start jett	t jetting at the same time
a. Each relay nozzle has separce b. Relay nozzles of a group star c. All the relay nozzles start jett	t jetting at the same time
a. Each relay nozzle has separable. b. Relay nozzles of a group star c. All the relay nozzles start jett	t jetting at the same time
a. Each relay nozzle has separce b. Relay nozzles of a group start c. All the relay nozzles start jett  Question 5  Complete  Marked out of 1.00	ing at the same time
a. Each relay nozzle has separce b. Relay nozzles of a group start c. All the relay nozzles start jett  Question 5  Complete  Marked out of 1.00	t jetting at the same time
a. Each relay nozzle has separable. b. Relay nozzles of a group start. c. All the relay nozzles start jett guestion 5 complete darked out of 1.00	ing at the same time
a. Each relay nozzle has separa b. Relay nozzles of a group star c. All the relay nozzles start jett  auestion 5  complete  darked out of 1.00  From the point of view of economics	ing at the same time
a. Each relay nozzle has separable. B. Relay nozzles of a group start.  c. All the relay nozzles start jett.  Question 5  Complete  Marked out of 1.00  From the point of view of economics times is to design a machine which	ing at the same time
a. Each relay nozzle has separa b. Relay nozzles of a group star c. All the relay nozzles start jett  Question 5  Complete  Marked out of 1.00  From the point of view of economics times is to design a machine which  Select one:	ing at the same time
a. Each relay nozzle has separable. b. Relay nozzles of a group start. c. All the relay nozzles start jett.  Question 5  Complete  Marked out of 1.00  From the point of view of economics times is to design a machine which  Select one:  a. Creates least noise	ing at the same time
a. Each relay nozzle has separed b. Relay nozzles of a group start c. All the relay nozzles start jett cuestion 5  Complete Marked out of 1.00  From the point of view of economics times is to design a machine which select one:  a. Creates least noise b. Consumes least energy	ing at the same time  s of woven fabric production the factor of greatest significance in modern
a. Each relay nozzle has separable. b. Relay nozzles of a group star c. All the relay nozzles start jett.  Question 5 Complete Marked out of 1.00  From the point of view of economics times is to design a machine which  Select one:  a. Creates least noise	ing at the same time  s of woven fabric production the factor of greatest significance in modern

Question 6	
Complete	
Marked out of 1.00	
Match the pairs	
A. Tucked selvedges	1. Rapier and air jet
B. Fused selvedges	2. Gripper and air jet looms
C. Leno selvedges	3. Gabler rapier with double pick insertion
D. Normal selvedge on both sides	4. Water jet looms
Select one:	
<ul><li>a. (A3, B1, C4, D2)</li></ul>	
S 3 (1.1, 1.4, 1.4, 1.2)	
b. (A2, B4, C1, D3)	
c. (A2, B4, C3, DI)	
Question <b>7</b>	
Complete	
Marked out of 1.00	
Optimization of air consumption of c	an air jet loom and improving uniformity of drag on weft can be achieved by
Select one:	
	ry jets controlled by a valve and moving relay jets away from each other
a. Readering the number of rela	, jote 55. 1. 5. 15. by a valve and moving roldy jote away norm oder other
b. Increasing number of relay is	ets controlled by a valve and movina relay iets away from each other

c. Reducing the number of relay jets controlled by a valve and bringing relay jets closer to each other

d. Increasing the number of relay jets controlled by a valve and bringing relay jets closer to each other

Question 8
Complete
Marked out of 1.00
Profile reed and relay jets in air jet looms
Select one:
a. Contribute to raising WIR and reed width while increasing air consumption but treating the weft more gently
<ul> <li>b. Contribute to raising WIR and reed width while decreasing air consumption and treating the weft more gently</li> </ul>
<ul> <li>c. Contribute to raising WIR and reed width for the same air consumption by subjecting the weft to a more vigorous treatment</li> </ul>
Question 9 Complete
Marked out of 1.00

## Match the pairs

A. Small sweep of sley 1. Fluid carrier of weft

B. Amplitude of sley oscillation and

inertia of weft carrier

2. Water jet loom

C. Absence of decelerating element 3. Jet looms

D. Absence of dwell of sley and healds 4. Bottleneck of gripper and rapier looms

## Select one:

a. (A3, B4, C1, D2)

→ b. (A2, B4, C3, D1)

o. (A2, B4, C1, D3)

Question 10
Complete
Marked out of 1.00
Water jet stream emerging from nozzle has a much lower velocity than that of air jet stream because
Select one:
a. Aerodynamic resistance to water jet stream is higher than that against air jet stream
<ul> <li>b. The efficiency of water jet nozzle in conversion of potential energy to kinetic energy is lower than that of air jet nozzle</li> </ul>
○ C.
Od. Kinematic viscosity of water is much higher than that of air
Question 11
Complete
Marked out of 1.00
Drag exerted by jet fluid on pick of weft is
Select one:
a. Inversely proportional to the Reynolds's number
<ul> <li>b. Directly proportional to the velocity difference between fluid and weft</li> </ul>
c. Directly proportional to fluid viscosity and yarn diameter
d. Directly proportional to yarn diameter and Reynolds's number

Question 12		
Complete		
Marked out of 1.00		
Match the pairs	:	
A.Water jet looms	1. Very high WIR and high reed wid	łth
B.Rapier looms	2. Specially suited for weaving de	licate yarns
C.Air jet looms	3. Only hydrophobic yarns	
D.Griper looms	4. Moderately high WIR and highe	st possible red width
Select one:		
a. (A2, B1, C	C4, D3)	
,	,	
b. (A3, B2, 0	C1, D4)	
c. (A3, B4,	C2, D1)	
Question 13		
Complete		
Marked out of 1.00		
Match the pairs	· · · · · · · · · · · · · · · · · · ·	
A. Permanent m	nagnet of AC induction motor	1. Servomotor
B. Inverter contr	olled input fed to	2. Rotor
C. High torque t	o driving motor	3. Slowing down machine
D. Motor fed with	h reduced frequency	4. Avoid starting mark
E. Let-off and ta	ke-up motions	5. Stator
Select one:		
a. (A3, B1, C	C4, D5, E2)	
b. (A1, B4, C		
c. (A4, B2,		
d. (A2, B5,		

Question 14		
Complete		
Marked out of 1.00		
An inverter controlled as	synchronous AC motor can be fed	
Select one:		
<ul><li>a. Varying input vol</li></ul>	tage compensated by dependent frequency	
○ b. A very high surge	e in input voltage for a considerable length of time	
c. A surge in input v	voltage for a short time and independently varying frequency	
Question 15		
Complete		
Marked out of 1.00		
Match the pairs		
A.Isentropic flow	1. Prominent effect of friction	
B.Fanno flow	2. No effect of friction	
C.Rise in Reynolds's number	3. Suppression of turbulence at nozzle exit	
D.Longer air tube	4. Suppression of effect of friction	
Select one:		
a. (A2, B1, C4, D3)		
b. (A1, B4, C3, D2)		
o. (A4, B2, C1, D3)		
d. (A3, B1, C4, D2)		