	<u>Dashboard</u> My courses <u>In20-S4-TE2110 (117916)</u> 13 June - 19 June <u>Test 3 (Rapier and Projectile)</u>	
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Started on Wednesday, 14 June 2023, 9:00 AM

State Finished

Completed on Wednesday, 14 June 2023, 9:11 AM

Time taken 11 mins 26 secs

Question 1

Complete

Marked out of 1.00

On a conventional loom, increase in dimension and mass of shuttle would cause

Select one:

- $\ \bigcirc$ a. No change in energy consumption, loom rpm and reed width
- Ob. Elevated energy consumption but no change in reed width and loom rpm
- $\,\,$ $\,$ C. Elevated energy consumption and reduction in weft insertion rate

s, 9:11 AM		Test 3 (Rapier and Projectile): Attempt review
Question	2	
Complete		
Marked ou	at of 1.00	
Match	the pairs	
A.Pote	ntial energy in torsion rod	1. About 8 ⁰ of loom shaft
B.Kinet	ic energy of gripper	2. Gripper velocity in free flight
C.Heat	energy in plunger	3. Unused picking energy
D.Acce	elerating time for gripper	4. Product of Torque and angular distortion
Coloot		
Select	(A3, B1, C4, D2)	
	(A2, B4, C3, D1)	
O D.	(A2, B4, C3, D1)	
.	(A4, B2, C3, D1)	
) d.	(A2, B1, C4, D3)	
Question		
Complete		
Marked ou	it of 1.00	
Same	projectile propulsion system can b	e employed for looms of higher reed width and WIR because
Select		
a.		
ų.		very high and much of it is anyway wasted through braking. Hence a free distances without needing any changes in picking system
) b.	Wider looms run with lower rpm c	and therefore a gripper can cover a larger distance with same velocity
c.	Availability of a greater accelerat which is required for wider looms	ing time due to reduced loom rpm permits a higher gripper velocity that run with higher WIR.

Question 4	
Complete	
Marked out of 1.00	
If the diameter of a to increase by	orsion rod used in projectile loom is doubled then the torque required to twist it would
Select one:	
a. 16 times	
ob. 2 times	
c. 8 times	
d. 4 times	
Question 5	
Question 5 Complete	
Complete	
Complete	table to produce
Complete Marked out of 1.00 : Rapier loom are suit	table to produce - Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one:	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one: a. only B and 5	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one:	- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one: a. only B and 5 b. only A and B	r- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics swer
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one: a. only B and 5	r- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics swer
Complete Marked out of 1.00 : Rapier loom are suit A- dobby fabrics,B select the correct an Select one: a. only B and 5 b. only A and B	r- Jacuard fabrics,C stretched denim fabrics ,D-pile fabrics

Question 6
Complete
Marked out of 1.00
A rapier having reed width 180cm and 225picks/min. If angle of main shaft rotation 240 ⁰ for the rapier movement in the shed ,then average rapier velocity is
Select one:
a. _{20m/s}
○ b. _{13m/s}
○ c. 16m/s
d. 10 m/s
o iu m/s
Question 7
Complete
Marked out of 1.00
The filling yarn density at selvage is doubled in case of
The liming yarr dentity at terrage to deabled in ease of
Colort and
Select one:
a. Fringe selvage
b. Leno selvage
C. Shuttle selvage
d. Tucked-in selvage
i uckea-in seivage

9:11 AM	Test 3 (Rapier and Projectile): Attempt review
Question 8	8
Complete	
Marked ou	
Warkod od	A CT NOC
select	the correct statement with regard to rigid rapiers
Select	one:
a.	More floor space is needed compare to other weft insertion systems.
) b.	
O D.	no diversity for both warp and weft yarns in count and character when using rigid rapiers
○ c.	construction of rapiers does not ensure straight movement of rapier heads
) d.	Required to guide the rapiers across the warp sheet
Question	
Complete	
Marked ou	ut of 1.00
For dia	placement function of rapids handling your work your
FOT CIS	placement function of rapier handling very weak yarn
Select	one:
	Sinusoladi motion is better than modified trapezoladi
(h	
О Б.	Cycloidal is better than modified trapezoidal
(c.	Sinusoidal motion is better than cycloidal
	,
d.	Modified trapezoidal is better than cycloidal
_	·

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	Question 10 Complete	
	Marked out of 1.00	
	Match the pairs	
	Match the pairs	1 Discouting and the beautiful and the
	A.Rapier heads on both sides of selvedges	Discontinuous weft between picks
	B.Rapier head shared by two adjacent looms	2. Very low value of acceleration
	C.Rapier at centre of shed	3. Highest value of deceleration
	D.Rapiers at the start of motion	4. Bi-Phase loom
	Select one:	
	a. (A3, B1, C4, D2)	
	○ b. (A4, B2, C3, D1)	
	© C. (Al, B4, C3, D2)	
	○ d. (A2, B1, C4, D3)	
	Question 11	
	Complete	
	Marked out of 1.00	
	Pirn winding is an essential preparatory proces	es for weaving on
		· ·
	Select one:	
	a. Air jet loom	
	ob. Water jet loom	
	oc. Rapier loom	
	d. Drop-box loom	

Question 12 Complete	
Marked out of 1.00	
The average angle of twist of the torsion bar and velocity of the pojectile	
Select one:	
\odot a. 20^{0} and 15 m/s	
○ b. 30° and 15 m/s	
C. 15 ⁰ and 30 m/s	
\odot d. 30° and 30 m/s	
Question 13 Complete	
Marked out of 1.00	
Is not a part or device of the projectile picking mechanism	
Select one:	
a. Lug strap	
O b. Torsion bar	
o. oil break	
○ d. Picking cam	

Question 14 Complete	
Marked out of 1.00	
Rapier weft insertion can be class	sifed according to
Kapisi iistiinistiisii san sa	mod dooolding to
Select one:	
a. type of rapiers	
b. number of rapiers	
c. Method of weft transfer	
○ d. type of yarn	
Question 15 Complete	
Marked out of 1.00	
Match the pairs	
A.Unguided shuttle flight	1. Faulty picking
B.Multiple impact of shuttle in shuttle box	2. Reduced sweep of sley
C.Faultypirn changing motion	3. Shuttle fly
D.Smaller and lighter shuttle	4. Lashing-in
Select one:	
a. (A1, B4, C3, D2)	
○ b. (A3, B4, C2, D1)	
© c. (A3, B1, C4, D2)	
○ d. (A2, B3, C4, D1)	

	Previous activity	
	▼ Test2 (Picking)	
luman to		
Jump to		
	Next activity	
	(Test 4)Airjet and Waterjet ▶	

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