

- b) Write about the water conservation as emerging technology in terms of cost benefit.
- c) Can eco friendly wet process be considered as emerging technology? Explain with your acquaintance.

Q5. Attempt any *two* questions of the following : 10x2=20

- a) Write a note on safety and hygiene in textile.
- b) Write a note on Geo textile.
- c) Write a note on textile for agriculture.
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Printed Pages : 4



EACT801

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 164857

Roll No.

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BTECH
(SEM. VIII) THEORY EXAM. 2014-15
EMERGING TECHNOLOGY

Time : 3 Hours]

[Total Marks : 100

Note : Answer the questions as indicated and to the point. All the questions carry equal marks.

Q1. Attempt any *two* questions of the following : 10x2=20

- a) Explain the salient features of newly emerged fibres.
- b) Write about smart textiles.

- c) Explain with production flow sheet manufacturing technology of Aramid fibre used for hitech application as an emerging one.

Q2. Attempt any *two* questions of the following : 10x2=20

- a) Identify the yarns manufactured out of emerging technology and explain the salient features in productivity and texture points.
- b) Workout the relationship amongst yarn diameter and yarn linear density.
- c) Explain with the production flow sheet, yarn manufacturing process of any emerged technology for specific application.

Q3. Attempt any *two* questions of the following : 10x2=20

- a) Identify the fabric manufactured out of emerging technology and explain its salient features in production, productivity and application context.
- b) Write about carpet structure in terms of knot or tuft and textures.
- c) How can terry structure be utilized for application other than as bath towel? Explain.

Q4. Attempt any *two* questions of the following : 10x2=20

- a) Identify how the improvement in wet processing technique took place out of emerging technology and explain its salient features.