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 20BS1102B: Applied Physics CSE&IT

Started on Monday, 26 April 2021, 10:20 AM State Finished Completed on Monday, 26 April 2021, 10:38 AM Time taken 17 mins 53 secs **Grade** 9.00 out of 12.00 (75%) Question 1 Optical Fibres are prepared by Correct Mark 2.00 out Select one: of 2.00 a. Glass materials b. Copper o. Gold d. None of these The correct answer is: Glass materials

Question 2
Incorrect
Mark 0.00 out of 2.00

What is the value of fractional refractive index change of an optical fibre having core and cladding refractive indices as 1.48 and 1.28 respectively?

Select one:

- a. 0.13
- b.1 x
- oc. None of these
- od. 0

The correct answer is: 0.13

Question 3
Correct
Mark 1.00 out of 1.00

Gold at nano scale appears as

Select one:

- a. None of these
- ob. Blue in colour
- oc. Pink in colour
- d. Green in colour

The correct answer is: Green in colour



of 2.00

Question 4 Nanomaterials are chemically active because Correct Select one: Mark 1.00 out of 1.00

 a. Absence of atoms on the surface b. None of these

oc. Less number of atoms on the surface

d. More number of atoms on the surface

The correct answer is: More number of atoms on the surface

Question **5** Superconductors are which type of magnetic materials? Correct

Select one: Mark 2.00 out

a. Ferro magnetic materials

b. Para magnetic materials

c. None of these

d. Dia magnetic materials

The correct answer is: Dia magnetic materials

Question 6 Incorrect Mark 0.00 out of 1.00

Nanomaterials are chemically active because

Select one:

a. Large surface area to volume ratio

b. Small surface area to volume ratio x

c. None of these

d. Zero surface area to volume ratio

The correct answer is: Large surface area to volume ratio

Question 7 Correct Mark 1.00 out

of 1.00

Surface coating are

Select one:

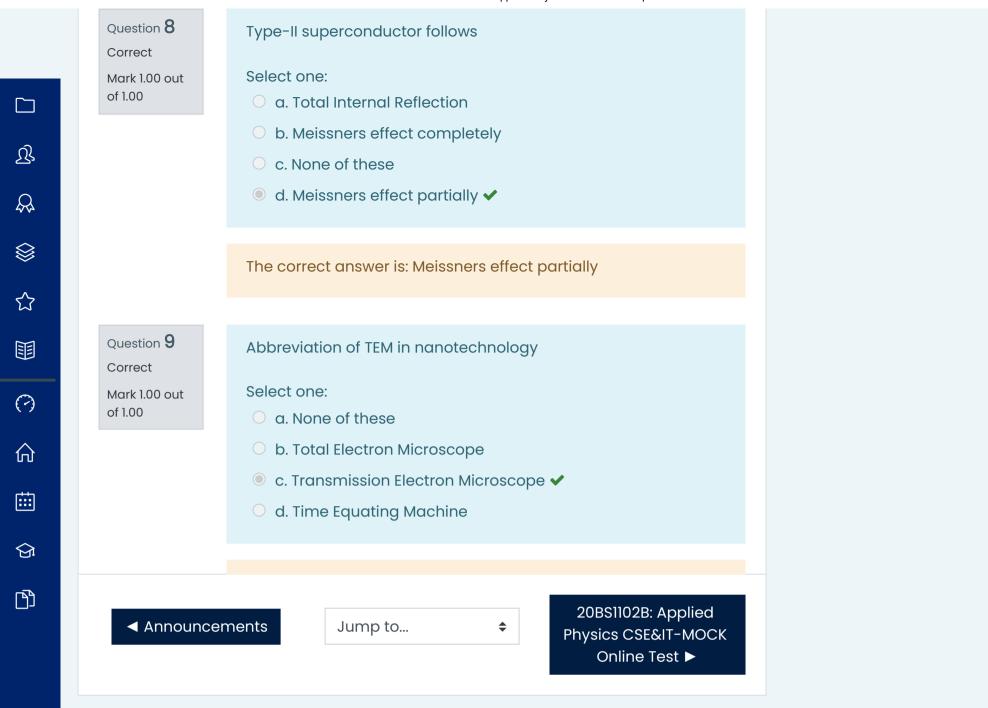
a. One dimensional nanomaterials

b. Three dimensional nanomaterials

c. None of these

d. Two dimensional nanomaterials

The correct answer is: One dimensional nanomaterials



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