

WORK SHEET
UNIT-II

MCQS

1. Carbon fibers have high
 - A) Density
 - B) Stiffness
 - C) Weakness
 - D) Softness

Answer: B

2. Glass fibers are
 - A) Cheap and strong
 - B) Weak
 - C) Heavy
 - D) Soft

Answer: A

3. Aramid fibers are known as
 - A) Nylon
 - B) Kevlar
 - C) Rubber
 - D) PVC

Answer: B

4. SiC stands for
 - A) Silicon Carbide
 - B) Carbon Silicon
 - C) Carbide Silicon
 - D) None

Answer: A

5. Wettability refers to
 - A) Strength
 - B) Liquid spreading ability
 - C) Hardness
 - D) Shape

Answer: B

6. Interface exists between
 - A) Fiber and matrix
 - B) Metals
 - C) Gases
 - D) None

Answer: A

7. Chemical bonding is
 - A) Weak
 - B) Strong
 - C) Temporary



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D) None

Answer: B

8. Mechanical bonding depends on

A) Interlocking

B) Reaction

C) Heat

D) Pressure

Answer: A

9. Glass fibers are made from

A) Sand

B) Coal

C) Iron

D) Copper

Answer: A

10. Carbon fibers are made from

A) PAN

B) Wood

C) Rubber

D) PVC

Answer: A

11. Aramid fibers are

A) Heat resistant

B) Weak

C) Soft

D) Brittle

Answer: A

12. Good interface improves

A) Load transfer

B) Weakness

C) Color

D) Shape

Answer: A

13. Boron fibers are used in

A) Aerospace

B) Textile

C) Food

D) Paper

Answer: A

14. Interfacial strength is measured by

A) Pull-out test

B) Impact test

C) Compression test

D) Hardness test

Answer: A



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15. Strong bonding leads to
- A) Strong composite
 - B) Weak composite
 - C) Failure
 - D) Cracks
- Answer: A**

Fill in the Blanks

1. Carbon fibers have high _____.
2. Glass fibers are made from _____.
3. Aramid fibers are also called _____.
4. Interface lies between _____ and matrix.
5. Wettability affects _____ bonding.
6. SiC means _____ carbide.
7. PAN is used to produce _____ fibers.
8. Good bonding improves _____ transfer.
9. Boron fibers are used in _____ industry.
10. Pull-out test measures _____ strength.

Answers:

1. stiffness
2. sand
3. Kevlar
4. reinforcement
5. interfacial
6. silicon
7. carbon
8. load
9. aerospace
10. interfacial

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