

1. Assertion (A) : Dry rot is a disease in wood caused by spores germinating in wood cells.

Reason (R) : Decomposition and putrefaction of tissues of a standing tree are indication of dry rot.

2. Dry rot in timber is caused by

- (a) Lack of ventilation
- (b) Lack of light
- (c) Immersion in water
- (d) Alternative wet and dry atmosphere

3. Wood is impregnated with creosote oil in order to

- (A) Change Its Colour
- (B) Protect Against Fungi
- (C) Protect The Annular Layers
- (D) Fill Up The Pores

4. Consider the following statements:

Hardest timber is obtained from the wood growing in

- 1. The moderately dry climatic regions
- 2. The Himalayan slopes
- 3. The open areas
- 4. The thin jungles

Which of the statements given above are correct?

- (a) 1 and 3
- (b) 1 and 4
- (c) 2 and 3
- (d) 2 and 4

5. Consider the following statements  
Dry rot in timber is due to

- (1) stacking wood in open areas
- (2) lack of ventilation
- (3) decomposition of sap
- (4) lack of preservatives

Which of the statements given above are correct.

- (a) 1 and 2
- (b) 1 and 3
- (c) 2 and 3
- (d) 3 and 4

6. In static bending test Match List I (Type of Failure) with List II (figure) and select the correct answer using the codes:

List I	
A.	Simple tension
B.	Cross grain tension
C.	Splintering tension
D.	Brash tearing

  

List II	
1.	
2.	
3.	
4.	

Codes;

- a. A - 1, B - 4, C - 3, D - 2
- b. A - 4, B - 1, C - 3, D - 2
- c. A - 4, B - 1, C - 2, D - 3
- d. A - 1, B - 4, C - 2, D - 3

7. Match List I (Product) with List II (Its use) and select the correct answer using the codes:

List - I	List - II
A. Fibre board	1. Panelling
B. Heartwood	2. Insulation
C. Laminated timber	3. Scantling
D. Plywood	4. Arches / trusses

Codes;

- a. A - 3, B - 2, C - 1, D - 4
- b. A - 3, B - 2, C - 4, D - 1
- c. A - 2, B - 3, C - 4, D - 1
- d. A - 2, B - 3, C - 1, D - 4

8. Match List-I (Term) with List-II (Brief Description) and select the correct answer using the code given below the Lists:

List - I	List - II
A. Heart shakes	1. Disintegration caused by fungi
B. Knot	2. Outer layers of a log of wood
C. Rot	3. A branch base embedded in timber by natural growth
D. Sap Wood	4. Cracks widest at centre and diminishing towards the outer circumference

Codes;

- a. A - 1, B - 3, C - 4, D - 2
- b. A - 4, B - 2, C - 1, D - 3
- c. A - 1, B - 2, C - 4, D - 3
- d. A - 4, B - 3, C - 1, D - 2

9. Consider the following statements:

- 1. The disease of dry rot in timber is caused by:
- 2. complete submergence in water.
- 3. alternate wet and dry condition.
- 4. lack of ventilation.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 3 only
- (c) 2 only
- (d) 2 and 3

10. Which one of the following is the correct statement? The strength of timber:

- (a) Is maximum in A direction parallel to the grain
- (b) Is maximum in A direction perpendicular to the grain
- (c) Is maximum in A direction 45° to the grain
- (d) Remains same in all directions

11. In a tree, the cambium layer is situated between:

- (a) The outer bark and inner bark
- (b) The inner bark and sap wood
- (c) The sap wood and heart wood
- (d) The pith and heart wood

12. Consider the following statements:

Kiln seasoning of timber results is :

- 1. Reduced Density.
- 2. Reduced Life
- 3. Dimensional Stability.

Which of the following given above is/are correct?

- (a) 1,2 and 3
- (b) 1 only
- (c) 2 and 3
- (d) 1 and 3

13. The timber preservative "creosote" belongs to the group of a

- (a) Water soluble salts
- (b) Organic solvent type
- (c) Tar oil type
- (d) Inorganic solvent type

14. Match List I with List II and select the correct answer using the code given below the lists

List - I	List - II
A. Babul	1. Tennis rackets (sports goods)
B. Benteak	2. Boats
C. Bijasal	3. Agricultural tools
D. Mulbury	4. Furniture

Codes;

- a. A - 4, B - 1, C - 3, D - 2
- b. A - 3, B - 2, C - 4, D - 1
- c. A - 4, B - 2, C - 3, D - 1
- d. A - 3, B - 1, C - 4, D - 2

15. Which one of the following is the most preferred wood for high quality and durable furniture?

- (a) Sandalwood
- (b) Deodar wood
- (c) Teakwood
- (d) Shisham wood

16. As a natural material, timber is which one of the following?

- (a) Isotropic
- (b) Anisotropic
- (c) Homogeneous
- (d) Heterogeneous

17. Shear strength of timber depends on which one of the following?

- (a) Lignin with fibres
- (b) Medullary rays
- (c) Heartwood
- (d) Sapwood

18. The defect which develops due to uncontrolled and non uniform loss of moisture from wood is known as which one of the following?

- (a) Knot
- (c) Warping
- (b) Shake
- (d) Cross grain

19. Match List I (Wood Elements) with List II (Description) and select the correct answer using the code given below the lists

List - I  
A. Pith  
B. Sapwood  
C. Heart wood  
D. Cambium layer

List - II  
1. Innermost portion of the tree  
2. Inner annual rings surrounding the pith  
3. Outermost annual rings  
4. Thin layer of sap between

Codes :

- a. A - 1, B - 3, C - 2, D - 4  
b. A - 2, B - 4, C - 1, D - 3  
c. A - 1, B - 4, C - 2, D - 3  
d. A - 2, B - 3, C - 1, D - 4

20. In respect of moisture content in wood, the fiber saturation point refers to which one of the following?

- (a) Free water present in the cells  
(b) Free water present in cell walls and cell cavities  
(c) No moisture present in cell walls and cell cavities  
(d) No free water exists in cell cavities but cell walls are saturated

