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**Q : 28) As per IS 427 : 2013, the maximum permissible limit for using lead in distemper is**

**A : 300 ppm**

**B : 250 ppm**

**C : 400 ppm**

**D : 200 ppm**

**Q : 29) Which of the following defects is caused by vapourization of entrapped moisture of solvents in a painted surface?**

**A : Saponification**

**B : Blistering**

**C : Blooming**

**D : Cissing**



**Q : 30) The pigment used in paints for corrosive resistance is**

**A : Red lead**

**B : White lead**

**C : Gypsum**

**D : Ferrous oxide**

**Q : 31) Match List-I with List II in question and select the correct answer by using code given below :**

List – I	List – II
A. Aluminium paint	1. For resisting corrosive reaction
B. Anti corrosive paint	2. For painting iron work under water
C. Bituminous paint	3. For painting surfaces exposed to high temperature
D. Cellulose paint	4. For painting oil storage tank

**Codes :**

**A : 1, 2, 3, 4**

**B : 3, 2, 4, 1**

**C : 4, 1, 2, 3**

**D : 1, 3, 2, 4**



**Q : 32) The setting of pigment particles of paint into a hard compact mass, which is not easily redispersed by stirring, is called as :**

**A : Caking**

**B : Blistering**

**C : Cracking**

**D : Chalking**

**Q : 33) A Dru Rot and wet rot are the**

**A : Defects of timber**

**B : Disease of timber**

**C : Characteristics of timber**

**D : Structure of timber**



**Q : 34) Radial splits in timber originating from bar and narrowing towards the pith are known as-**

**OR**

**The radial splits which are wider on the outside of the log and narrower towards the pith are known as :**

**A : Hearth shakes**

**B : Cup shakes**

**C : Star shakes**

**D : Rind galls**

**Q : 35) Timber can be made more fire resistant by-**

**A : Dipping and steeping process**

**B : Air Abel's process**

**C : Seasoning**

**D : Hot and cold open tank treatment**



**Q : 36) Knots in timber are**

**A : Defects caused by crushing fibers**

**B : Splits radiating from the centre**

**C : Speckled stains**

**D : Signs of branches cut-off**

**Q : 37) A thin layer of fresh sap lying between sap wood and inner bark is :**

**A : Heart wood**

**B : Pith**

**C : Outer bark**

**D : Cambium layer**

**Q : 38) A timber whose thickness is less 50 mm and breadth is greater than 150 mm is called :**

**A : Balk**

**B : Board**

**C : Plank**

**D : Batten**



**Q : 39) Consider the following statements :  
Fibre saturation point in wood is reached  
when**

- 1. Free water is removed**
- 2. Cell water is removed**
- 3. Shrinkage of wood is rapid**
- 4. Strength gain is rapid**

**Which of the following statements are  
correct:**

**A : 1, 3 and 4 only**

**B : 1 and 2 only**

**C : 2 and 4 only**

**D : 1, 2 and 3 only**

**Q : 40) Match List-I with List-II and select the correct answer using the codes given below the lists:**

List-I	List-II
A. Deciduous	Soft wood
B. Conifer	2. Hard wood
C. Endogenous	3. Eucalyptus
D. Exogenous	4. Bamboo

**Codes:**

**A : 1, 2, 3, 4**

**B : 2, 1, 3, 4**

**C : 2, 1, 4, 3**

**D : 1, 2, 4, 3**

**Q : 41) The ratio of modulus of elasticity of wood in a direction perpendicular to the grain to the value in a direction to the grain falls in the range of :**

**A :  $\frac{1}{20}$  to  $\frac{1}{12}$**

**B :  $\frac{1}{3}$  to  $\frac{1}{2}$**

**C : 2 to 3**

**D : 5 to 10**



**Q : 42) Which IS code is used for classification of timber for seasoning purposes?**

**A : IS : 1141 – 1958**

**B : IS : 1708 – 1969**

**C : IS : 4970 – 1973**

**D : IS : 399 – 1963**

**Q : 43) The timber piece whose breadth and thickness exceed 50 mm, but are less than 200 mm in length is called**

**A : Pole**

**B : Baulk**

**C : Scantling**

**D : Batten**

**Q : 44) Match List-I of various used with their corresponding suitable timber in**

List-I	List-II
1. Agricultural implements	A. Jack
2. Boat	B. Deodar
3. Railway sleepers	C. Babul
4. Musical instruments	D. Teak

**A : 1-b, 2-a, 3-b, 4-c**

**B : 1-a, 2-b, 3-c, 4-d**

**C : 1-c, 2-b, 3-b, 4-a**

**D : 1-d, 2-c, 3-b, 4-a**



**Q : 45) A short log 1.25 m or less in length is called :**

**A : Pale**

**B : Bale**

**C : Bolt**

**D : Post**

**Q : 46) An assembled product made up of veneers and adhesives are called**

**A : Board**

**B : Plank**

**C : Plywood**

**D : Batten**

**Q : 47) What is the name if the wooden plank of slab of concrete or stone usually provided at the bottom of an entrance door?**

**A : Jamb**

**B : Reveal**

**C : Cornice**

**D : Threshold**



**Q : 48) The drawback of electric seasoning of timber is**

**A : Checks**

**B : Splitting**

**C : Cracks**

**D : Reduced strength**

**Q : 49) The defect caused due to over-maturing and poor ventilation of the tree is called :**

**A : Knot**

**B : Rind galls**

**C : Foxiness**

**D : Heart shake**

**Q : 50) The natural heartwood timber used for structural purposes and of high durability would have average life of minimum M months, where M is :**

**A : 60**

**B : 75**

**C : 120**

**D : 90**

**Q : 51) Wastage of timber is the maximum in the case of :**

**A : Ordinary sawing**

**B : Tangential sawing**

**C : Radial sawing**

**D : Quarter sawing**



**Q : 52) In punched or perforated card key system for the identification of timber, a card has :**

**A : 72 holes**

**B : 92 holes**

**C : 96 holes**

**D : 100 holes**

**Q : 53) Plywood is obtained by gluing wooden sheets at a pressure of :**

**A : 100 to 150 N/cm<sup>2</sup>**

**B : 100 to 130 N/cm<sup>2</sup>**

**C : Both (a) and (b)**

**D : Neither (a) nor (b)**

**Q : 54) The solution of salts from the soil absorbed by the trees which becomes a viscous solution due to loss of moisture and action of carbon dioxide known as**

**A : Pitch**

**B : Cambium**

**C : Bark Sid**

**D : Sap**

**Q : 55) Which of the following is limit of the moisture content that can be achieved in the air drying process of timber?**

**A : 10%**

**B : 15%**

**C : 20%**

**D : 28%**



**Q : 56) What is the recommended moisture content of timber, which issued as a structural element for windows?**

**A : 5 – 10%**

**B : 10 – 16%**

**C : 16 – 26%**

**D : 26 – 36%**

**Q : 57) In which of the following case Bethel process is used?**

**A : Brick manufacturing**

**B : Cement manufacturing**

**C : Manufacturing of bituminous material**

**D : Treatment of timber**

**Q : 58) What is the grade of timber as per timber gradient (IS 6543), if the modulus of elasticity in bending is between 5.6 to 9.8 kN/m<sup>2</sup>?**

**A : Grade B**

**B : Grade C**

**C : Grade A**

**D : Grade D**

**Q : 59) The purpose of fire proofing of timber is to :**

**A : Make it difficult to ignite and support its own combustion**

**B : Extinguish the fire and dissipate the heat generated**

**C : Not allow fire to come closer to wood**

**D : Extinguish the fire by absorbing the heat generated**

**Q : 60) Snow Crete is one of the patent forms of**

**A : Distemper**

**B : Water proof cement paint**

**C : Enamel paint**

**D : Cellulose paint**



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**GPSC - AE**



**Abdul**  
**WBPSC-JE**



**Manoj**  
**RRB JE BHOPAL**



**Vaibhav**  
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**Amerndra**  
**RRB JE KOLKATA**



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