Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
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Q.no 1. Flat slabs are mainly used for _____

A: Long span

B: Medium spans

C: Short spans

D : Cantilever spans

Q.no 2. Which type of varnishes dry slowly, but they form hard and durable surface?

A:Oil

B: Spirit

C: Water
D : Turpentine
Q.no 3. Which of them is a defect in timber?
A: Knots
B : Seasoning
C: Warping
D: tempering
Q.no 4. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -
A : Flat Slab
B : Waffle Slab
C: Flat Plate
D : Post tensioning slab
Q.no 5. Which component is important in section active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 6. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A : Angle
B: Widening
C: Lapped
D : Oblique

A: Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 8. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab D: Band beam system Q.no 9. Which component is important in vector active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 10. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as _____ A: Flat slab B: Waffle slab C: RCC slab D: Shear slab Q.no 11. Which component is important in surface active systems?

Q.no 7. In post-tensioning process, steel is pulled before -

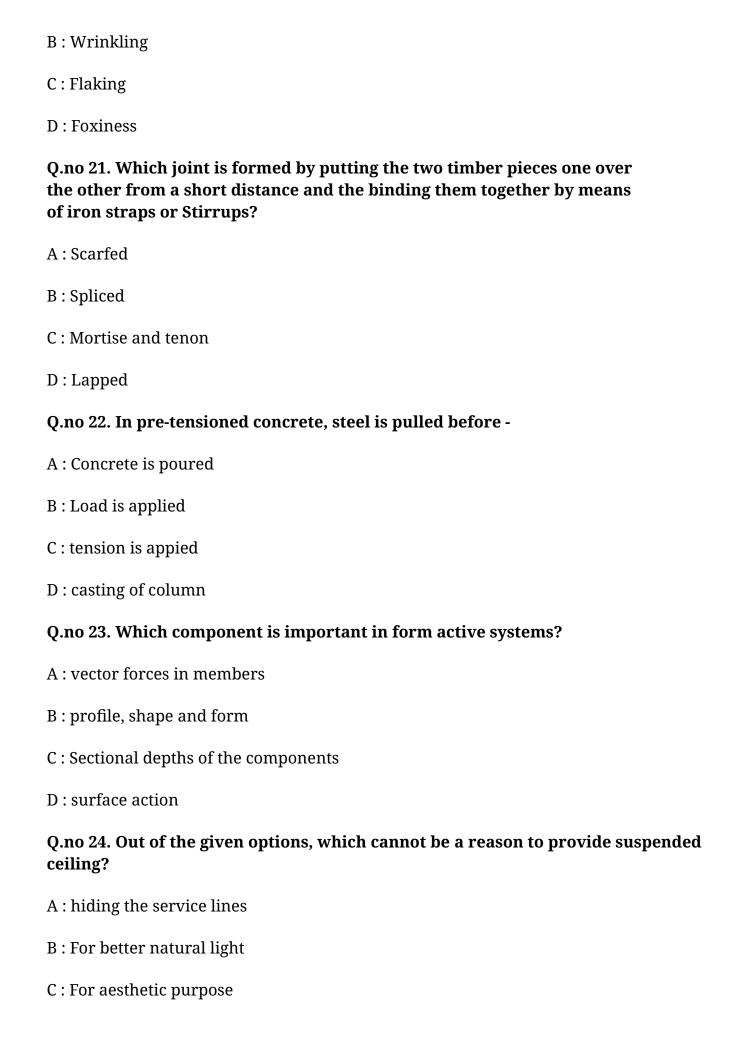
A: vector forces in members

C : Sectional sizes and depths of the components
D : surface action
Q.no 12. Material used as insulator in double skin partitions is -
A : Sheep wool
B : Glass powder
C : Glass wool
D : Timber shavings
Q.no 13. Sole member in partitions is a
A : Horizontal member supporting Studs.
B : Horizontal member topping Studs
C : Cross member in the frame
D : Wedge between walls and frames.
Q.no 14. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block
D : Concrete grout
Q.no 15. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door

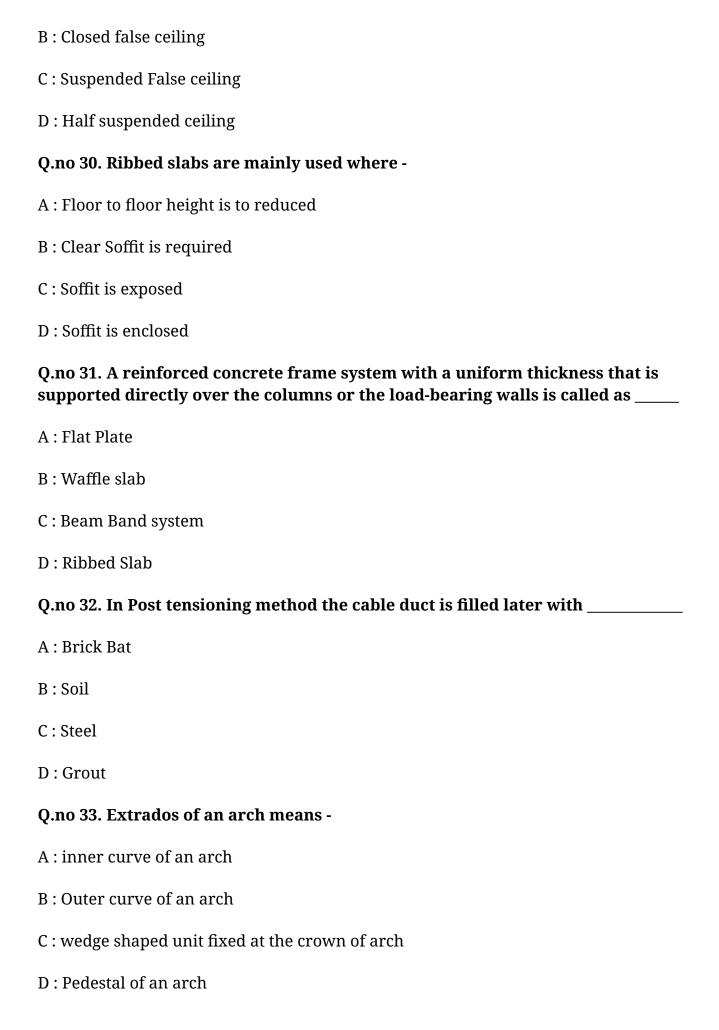
B: profile, shape and form

Q.no 16. 'Studs' in partitions are
A : Horizontal members used in framings.
B: Vertical members used in framings
C : Cross members used in framings.
D : Members supporting partitions from top
Q.no 17. Which structural element is absent in Flat Slab construction?
A : Column capitals
B : Shear walls
C: Footings
D : Beams
Q.no 18. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -
A : Dovetailed joint
B : Widening Joint
C : Tongued and Grooved Joint
D : Angle Joint
Q.no 19. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B : Foundation
C: Column
D: Roof
Q.no 20. Out of the given options, which is not a defect in paints?

A: Blistering

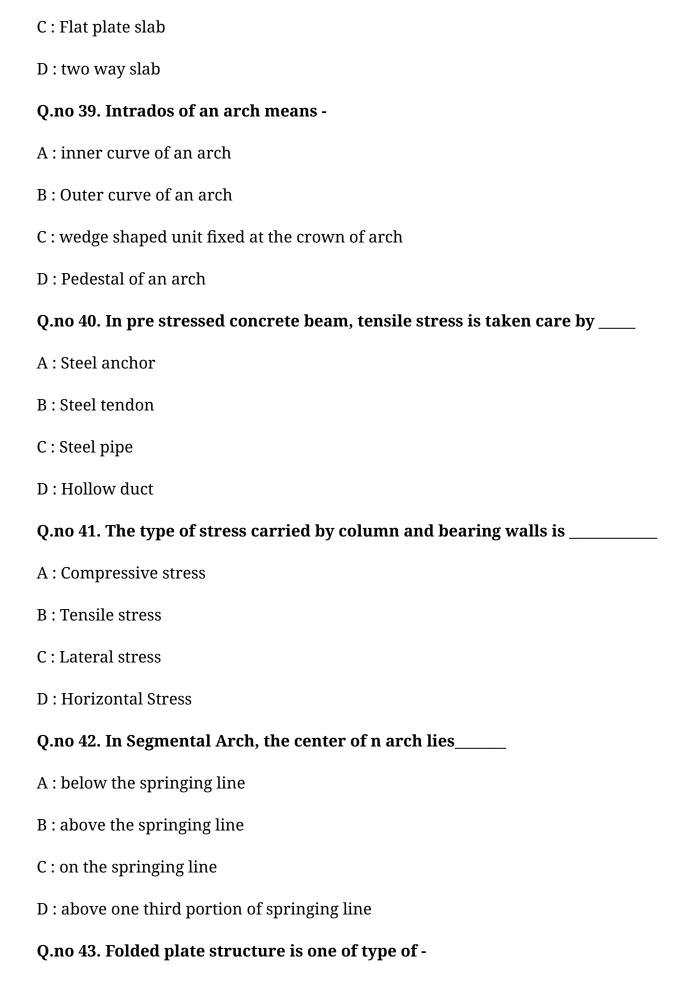


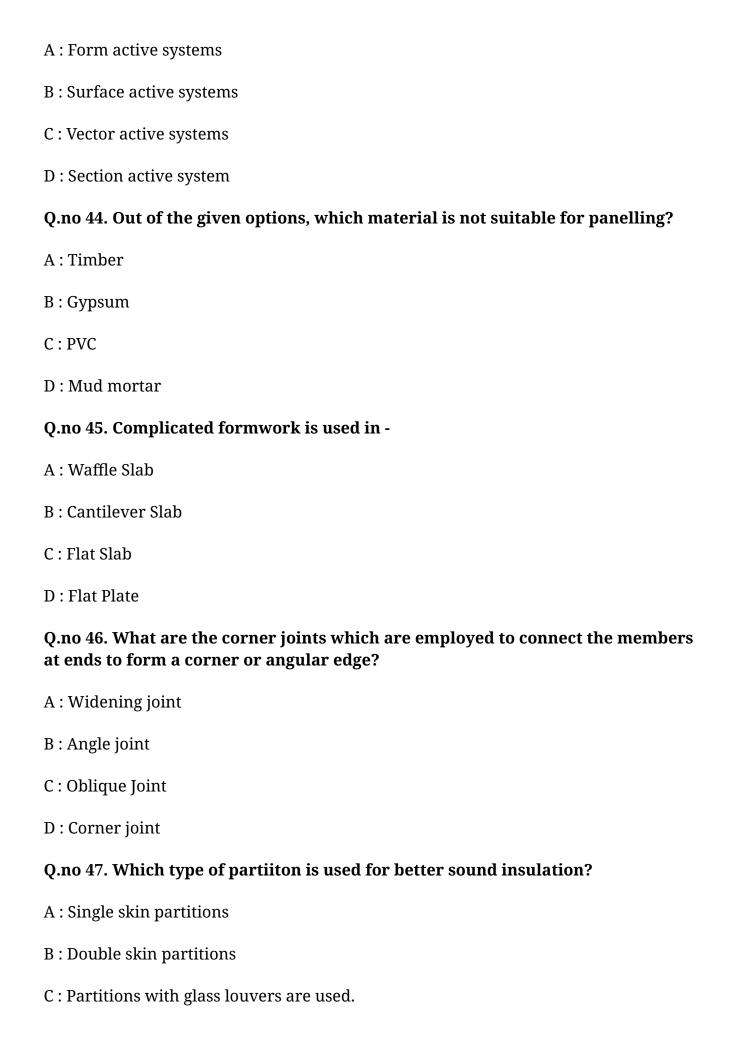
D : for reducing the volume of space and load on A.C.
Q.no 25. What is the function of drier in a varnish?
A : to accelerate process of drying
B : to make the varnish durable
C : to give glossy finish to varnish
D : to impart liquidity to varnish
Q.no 26. Which one is not a step of timber processing?
A: Felling
B: Seasoning
C: Warping
D: Preservation
Q.no 27. The two members meeting at an angle can be joined by a -
A : Bridle joint
B : Oblique tenon joint
C: Mitre joint
D: Birds mouth joint
Q.no 28. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 29. Physical volume of the space below does not get reduced in
A : Open False ceiling



Q.110 54. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite
Q.no 35. The appearance of Anticorrosive paint is in color is -
A: Blue
B: White
C: Black
D : Yellow
Q.no 36. What is the liquid part of the paint called?
A: pigment
B: vehicle
C: base
D: drier
Q.no 37. Suspended decorated ceilings cannot be provided to
A : Service floors
B: Auditoriums
C: Hotels
D : Conference halls
Q.no 38. Electrical provisions can be easily installed in -
A : waffle slab

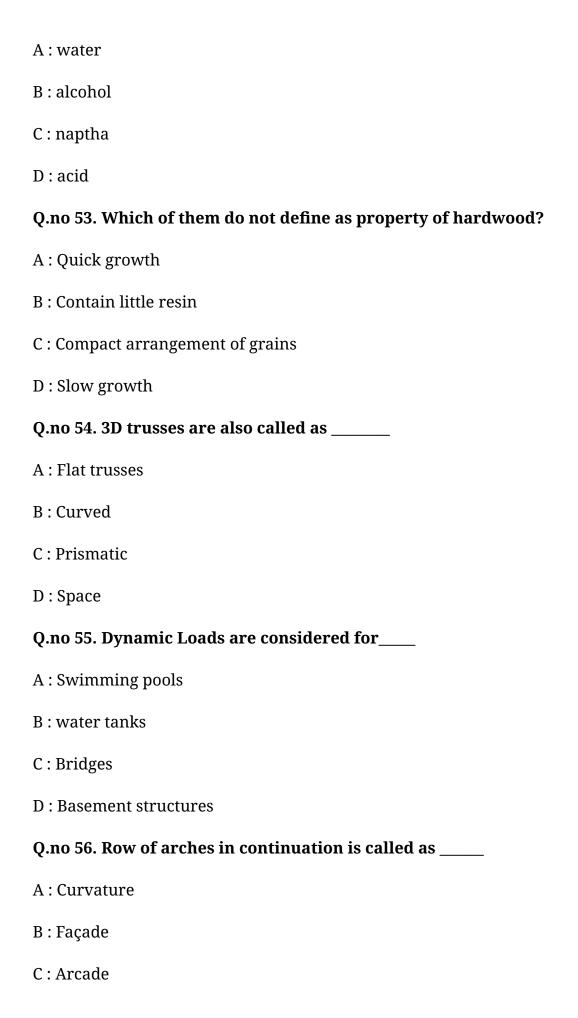
B: Flat slab





D : Louver Partition
Q.no 48. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 49. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron
Q.no 50. Which defect is caused by water vapor which is trapped behind the painted surface?
A : Flaking
B: Fading
C: Blistering
D : Flashing
Q.no 51. At the supports, beams are designed to deal with
A : Shear stress
B : Lateral stress
C : Bending stress
D : Compressive Stress
Q.no 52. Which liquid medium is used to prepare solution of resin for making

varnish?



Q.no 57. Shell structure is one of the type of
A : Form active system
B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 58. Pneumatic structures are based on
A: the use of trusses
B: the use of structural frames
C : the use of curvatures
D : the use of air pressure
Q.no 59. The structural design principles of continuous flat slab floors are similar to:
A : One way slab
B : Two way slab
C : Cantilever slab
D : Diagonal slab
Q.no 60. What is binding material gets used in Emulsion Paints?
A: Nitro cotton
B : Zinc white
C : White lead
D : Polyvinyl acetate

D : Keystone

Answer for Question No 1. is b	
Answer for Question No 2. is a	
Answer for Question No 3. is a	
Answer for Question No 4. is b	
Answer for Question No 5. is c	
Answer for Question No 6. is b	
Answer for Question No 7. is b	
Answer for Question No 8. is c	
Answer for Question No 9. is a	
Answer for Question No 10. is a	
Answer for Question No 11. is d	
Answer for Question No 12. is c	
Answer for Question No 13. is a	
Answer for Question No 14. is a	
Answer for Question No 15. is a	

Answer for	Question No 16. is b	
Answer for	Question No 17. is d	
Answer for	Question No 18. is a	
Answer for	Question No 19. is c	
Answer for	Question No 20. is d	
Answer for	Question No 21. is d	
Answer for	Question No 22. is a	
Answer for	Question No 23. is b	
Answer for	Question No 24. is b	
Answer for	Question No 25. is a	
Answer for	Question No 26. is c	
Answer for	Question No 27. is c	
Answer for	Question No 28. is b	
Answer for	Question No 29. is a	
Answer for	Question No 30. is c	

Answer for Question No 31. is a	
Answer for Question No 32. is d	
Answer for Question No 33. is b	
Answer for Question No 34. is c	
Answer for Question No 35. is c	
Answer for Question No 36. is b	
Answer for Question No 37. is a	
Answer for Question No 38. is a	
Answer for Question No 39. is a	
Answer for Question No 40. is b	
Answer for Question No 41. is a	
Answer for Question No 42. is a	
Answer for Question No 43. is b	
Answer for Question No 44. is d	
Answer for Question No 45. is a	

Ans	wer for Question No 46. is b
Ans	wer for Question No 47. is b
Ans	wer for Question No 48. is a
Ans	wer for Question No 49. is d
Ans	wer for Question No 50. is c
Ans	wer for Question No 51. is a
Ans	wer for Question No 52. is b
Ans	wer for Question No 53. is a
Ans	wer for Question No 54. is c
Ans	wer for Question No 55. is c
Ans	wer for Question No 56. is c
Ans	wer for Question No 57. is b
Ans	wer for Question No 58. is d
Ans	wer for Question No 59. is b
Ans	wer for Question No 60. is d
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

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Q.no 1. Which structural element is absent in Flat Slab construction?

A : Column capitals

B: Shear walls

C: Footings

D: Beams

Q.no 2. The first coat of paint applied during the painting process called as -

A: Priming coat

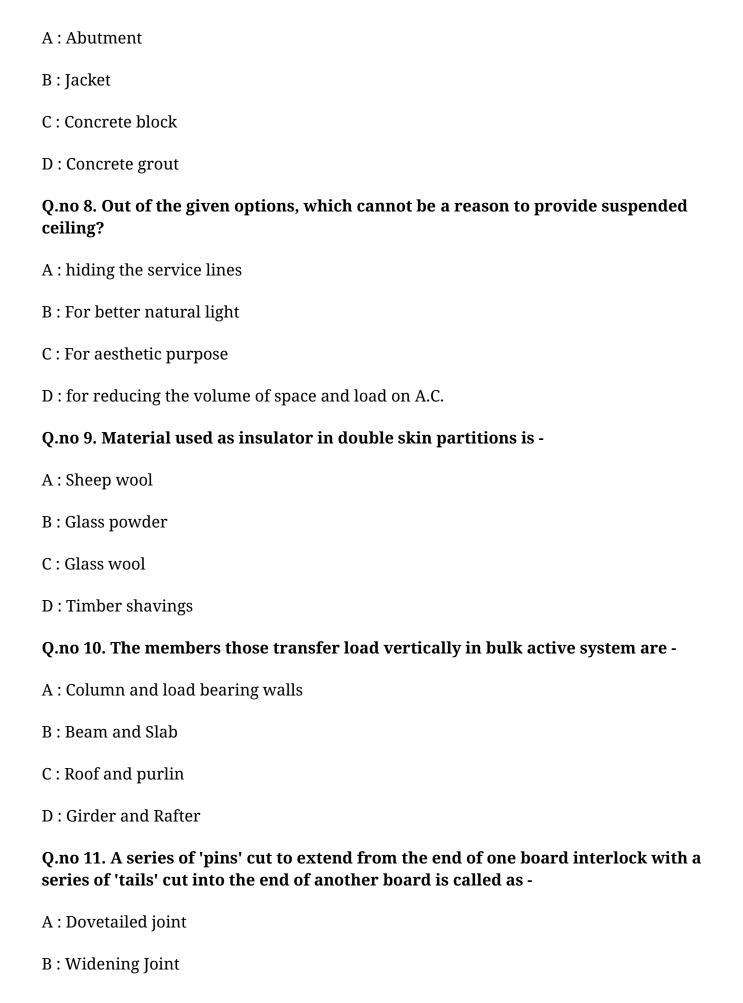
B: Finishing coat

C: End coat

Q.no 3. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 4. Flat slabs are mainly used for _____ A: Long span B: Medium spans C: Short spans D: Cantilever spans Q.no 5. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab D: Band beam system Q.no 6. Which type of varnishes dry slowly, but they form hard and durable surface? A:Oil B: Spirit C: Water D: Turpentine

Q.no 7. In Prestressing, the tendons are tensioned against -

D: Under coat

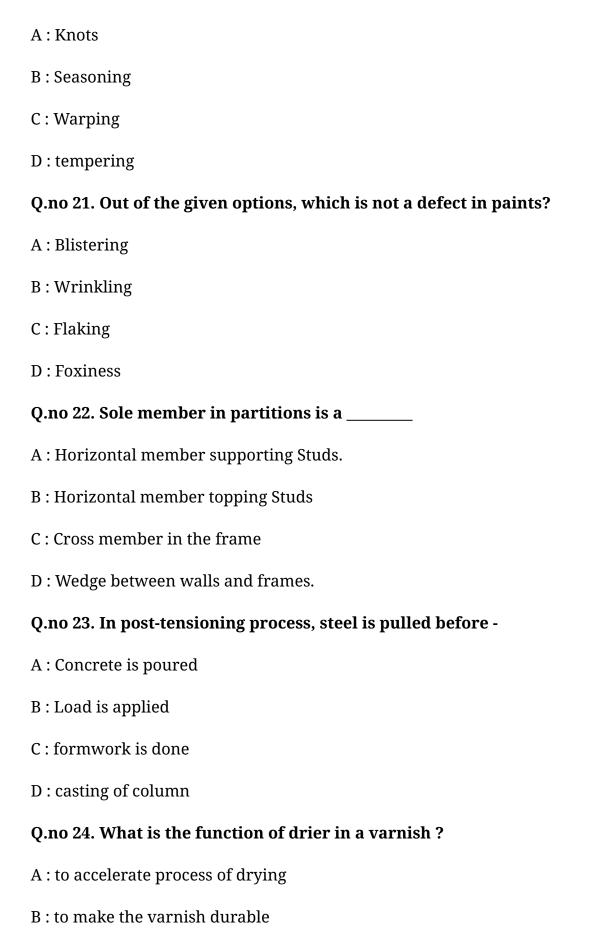


C : Tongued and Grooved Joint
D : Angle Joint
Q.no 12. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 13. Pigment is mixed in paints to give desired
A: smoothness
B:color
C: appearance
D : durability
Q.no 14. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : tension is appied
D : casting of column
Q.no 15. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B : Foundation
C : Column
D: Roof

Q.no 16. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?
A: Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 17. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -
A : Flat Slab
B : Waffle Slab
C : Flat Plate
D : Post tensioning slab
Q.no 18. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C : RCC slab
D : Shear slab
Q.no 19. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A : Angle
B: Widening
C: Lapped

Q.no 20. Which of them is a defect in timber?

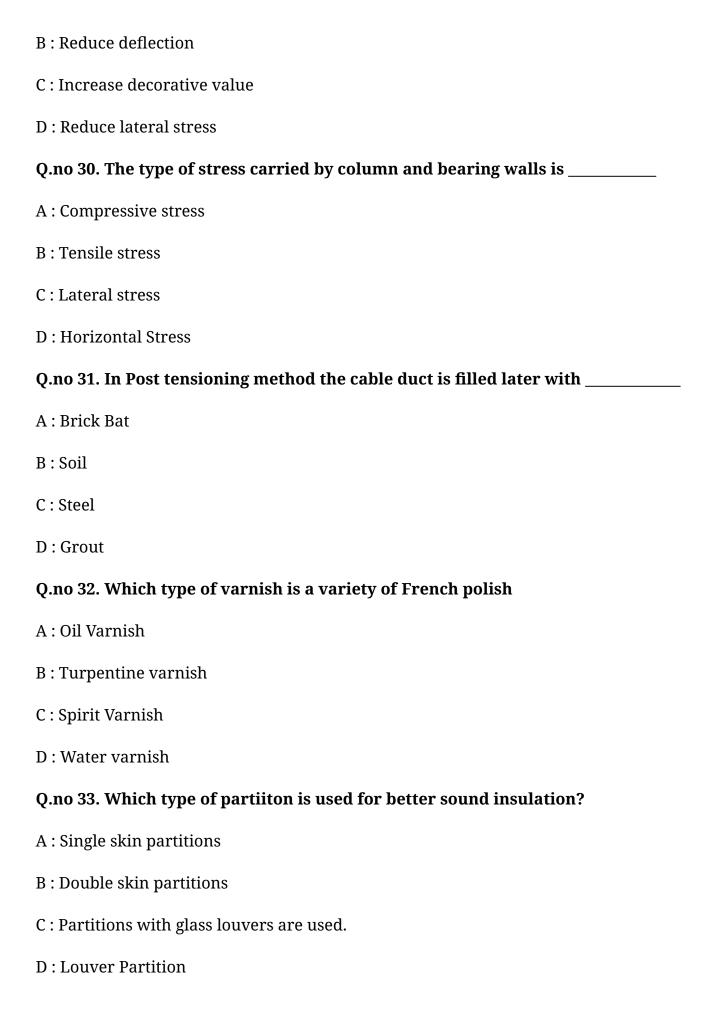
D : Oblique



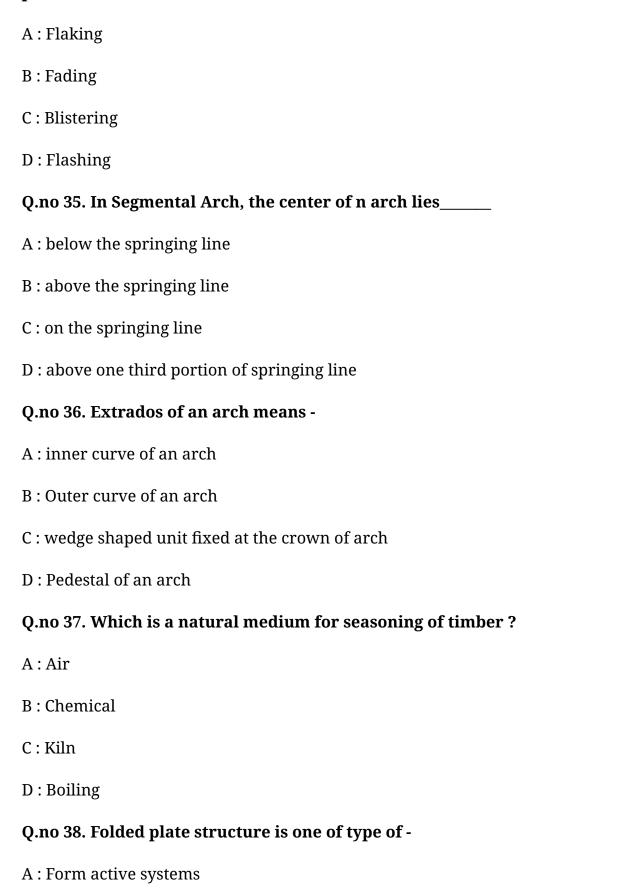
C: to give glossy finish to varnish

D: to impart liquidity to varnish Q.no 25. 'Studs' in partitions are _____ A: Horizontal members used in framings. B: Vertical members used in framings C: Cross members used in framings. D: Members supporting partitions from top Q.no 26. Arch is type of -A: self-supporting compressive structure B: self-supporting tensile structure C: Surface active structure D: Vector active structure Q.no 27. Out of the given options, which material is not suitable for panelling? A: Timber B: Gypsum C: PVC D: Mud mortar Q.no 28. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 29. Drop panels are used to -

A: Increase shear strength of slab



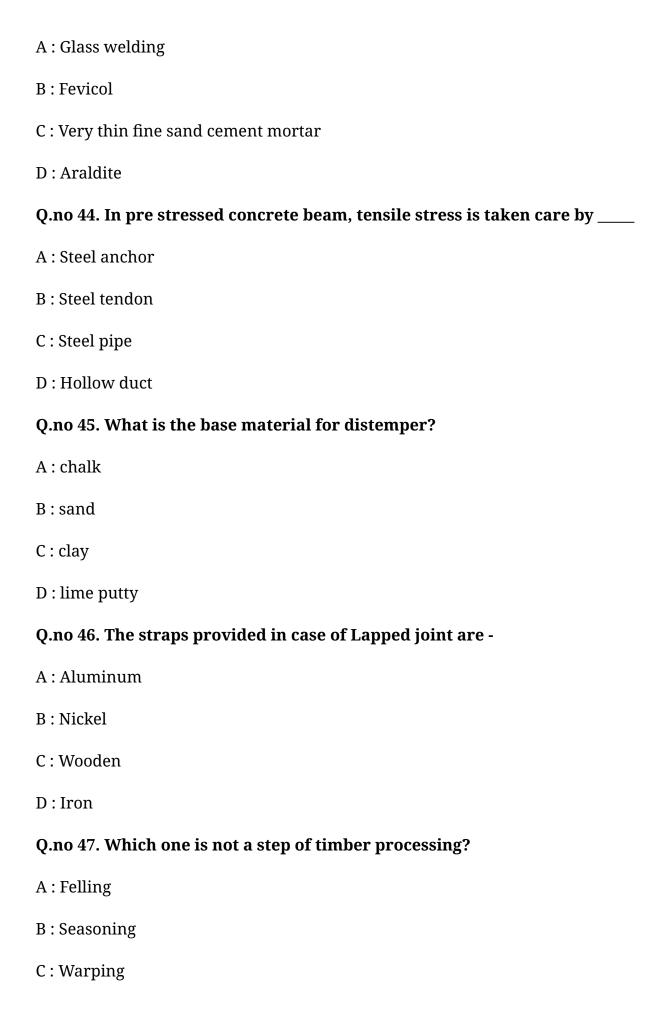
Q.no 34. Which defect is caused by water vapor which is trapped behind the painted surface?



B: Surface active systems

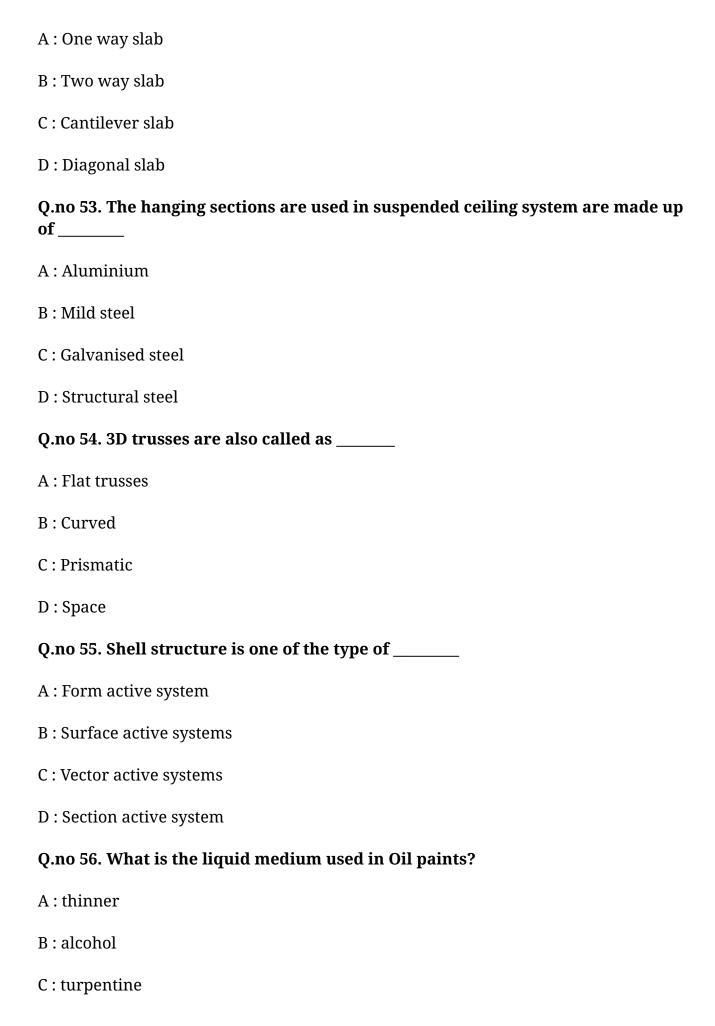
D : Section active system
Q.no 39. What is the liquid part of the paint called?
A: pigment
B: vehicle
C: base
D: drier
Q.no 40. Physical volume of the space below does not get reduced in
A : Open False ceiling
B : Closed false ceiling
C : Suspended False ceiling
D : Half suspended ceiling
Q.no 41. Suspended decorated ceilings cannot be provided to
A : Service floors
B: Auditoriums
B : Auditoriums C : Hotels
C: Hotels
C : Hotels D : Conference halls
C : Hotels D : Conference halls Q.no 42. Ribbed slabs are mainly used where -
C : Hotels D : Conference halls Q.no 42. Ribbed slabs are mainly used where - A : Floor to floor height is to reduced
C: Hotels D: Conference halls Q.no 42. Ribbed slabs are mainly used where - A: Floor to floor height is to reduced B: Clear Soffit is required

C: Vector active systems



Q.no 48. Complicated formwork is used in -
A : Waffle Slab
B : Cantilever Slab
C : Flat Slab
D : Flat Plate
Q.no 49. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 50. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 51. At the supports, beams are designed to deal with
A: Shear stress
B: Lateral stress
C : Bending stress
D : Compressive Stress
Q.no 52. The structural design principles of continuous flat slab floors are similar to:

D: Preservation



D: linseed oil

Q.no 57. If $^{\prime}L^{\prime}$ is centre to centre distance between two columns, then Length of Drop panel is:

A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 58. What is binding material gets used in Emulsion Paints?
A: Nitro cotton
B : Zinc white
C: White lead
D : Polyvinyl acetate
Q.no 59. Soft wood Ply is made up from -
A:Oak
B: Beech
C: Cedar
D : Mahogany
Q.no 60. Dynamic Loads are considered for
A : Swimming pools
B : water tanks
C: Bridges
D : Basement structures

Answer for Question No 1. is d	
Answer for Question No 2. is a	
Answer for Question No 3. is d	
Answer for Question No 4. is b	
Answer for Question No 5. is c	
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Answer for Question No 12. is b	
Answer for Question No 13. is b	
Answer for Question No 14. is a	
Answer for Question No 15. is c	

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Answer for Question No 17. is b	
Answer for Question No 18. is a	
Answer for Question No 19. is b	
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Answer for Question No 23. is b	
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Answer for Question No 25. is b	
Answer for Question No 26. is a	
Answer for Question No 27. is d	
Answer for Question No 28. is a	
Answer for Question No 29. is a	
Answer for Question No 30. is a	

Answer for	Question No 31. is d		
Answer for	Question No 32. is c		
Answer for	Question No 33. is b		
Answer for	Question No 34. is c		
Answer for	Question No 35. is a		
Answer for	Question No 36. is b		
Answer for	Question No 37. is a		
Answer for	Question No 38. is b		
Answer for	Question No 39. is b		
Answer for	Question No 40. is a		
Answer for	Question No 41. is a		
Answer for	Question No 42. is c		
Answer for	Question No 43. is c		
Answer for	Question No 44. is b		
Answer for	Question No 45. is a		

Ans	swer for Question No 46. is d
Ans	swer for Question No 47. is c
Ans	swer for Question No 48. is a
Ans	swer for Question No 49. is b
Ans	swer for Question No 50. is b
Ans	swer for Question No 51. is a
Ans	swer for Question No 52. is b
Ans	swer for Question No 53. is a
Ans	swer for Question No 54. is c
Ans	swer for Question No 55. is b
Ans	swer for Question No 56. is d
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is d
Ans	swer for Question No 59. is c
Ans	swer for Question No 60. is c

Total number of questions: 60

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Q.no 1. 'Studs' in partitions are _____

A: Horizontal members used in framings.

B: Vertical members used in framings

C: Cross members used in framings.

D: Members supporting partitions from top

Q.no 2. What is the function of drier in a varnish?

A: to accelerate process of drying

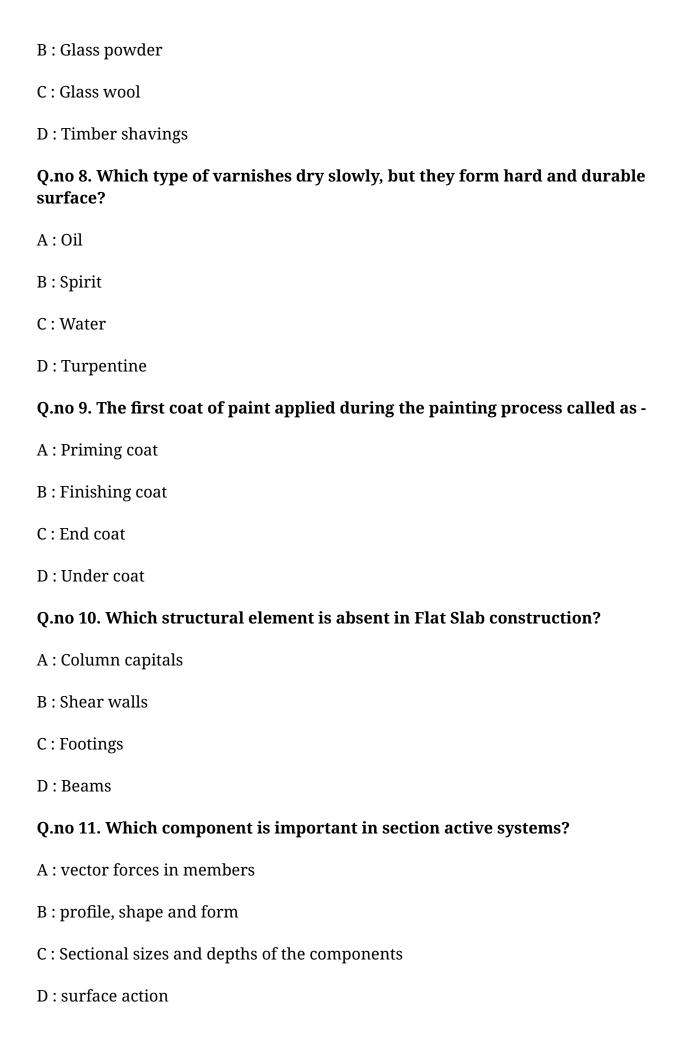
B: to make the varnish durable

C: to give glossy finish to varnish

Q.no 3. In pre-tensioned concrete, steel is pulled before -A: Concrete is poured B: Load is applied C: tension is appied D: casting of column Q.no 4. Out of the given options, which is not a defect in paints? A: Blistering B: Wrinkling C: Flaking D: Foxiness Q.no 5. In Bulk active structures, members those transmit compressive load vertically are____ A: Beam B: Foundation C: Column D: Roof Q.no 6. Which component is important in form active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 7. Material used as insulator in double skin partitions is -

A: Sheep wool

D: to impart liquidity to varnish



A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 13. The members those transfer load vertically in bulk active system are -A: Column and load bearing walls B: Beam and Slab C: Roof and purlin D: Girder and Rafter Q.no 14. Flat slabs are mainly used for _____ A: Long span B: Medium spans C: Short spans D : Cantilever spans Q.no 15. Suspended ceilings are _____ A: Suspended from top B: Suspended from corner C: Suspended from below D: suspended from door Q.no 16. In post-tensioning process, steel is pulled before -A: Concrete is poured B: Load is applied

Q.no 12. Which component is important in vector active systems?

C : formwork is done D : casting of column

Q.no 17. Out of the given options, which cannot be a reason to provide suspended ceiling?

A: hiding the service lines

B: For better natural light

C: For aesthetic purpose

D: for reducing the volume of space and load on A.C.

Q.no 18. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -

A: Dovetailed joint

B: Widening Joint

C: Tongued and Grooved Joint

D : Angle Joint

Q.no 19. Saving of weight and material is done in which type of RCC flooring system?

A: Flat Slab

B: Flat Plate slab

C: Ribbed slab

D: Band beam system

Q.no 20. Which component is important in surface active systems?

A: vector forces in members

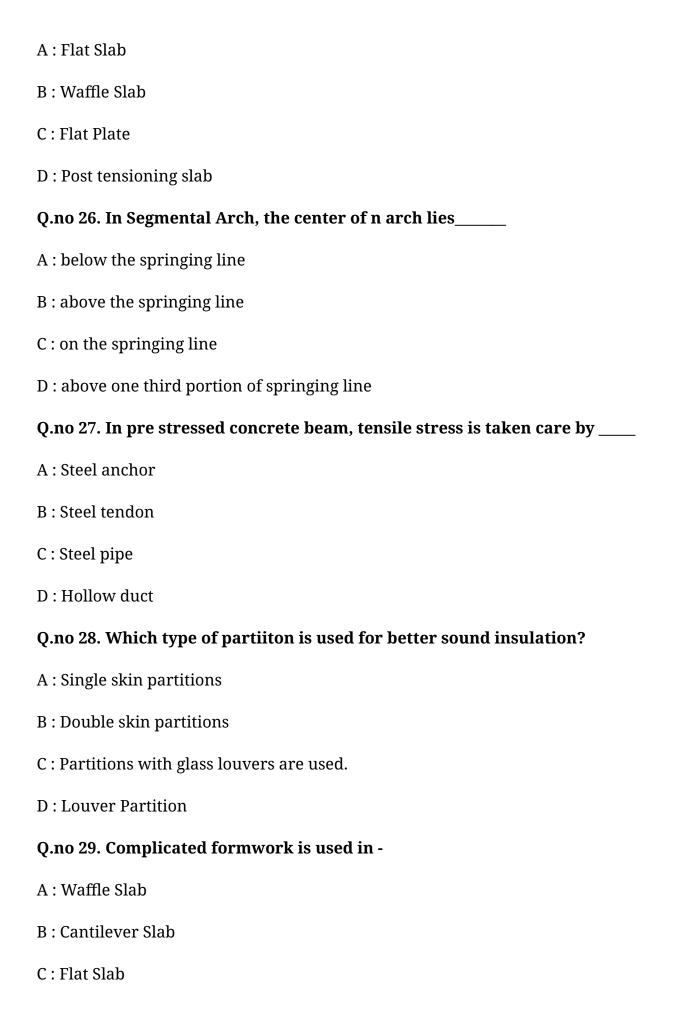
B: profile, shape and form

C: Sectional sizes and depths of the components

Q.no 21. In Prestressing, the tendons are tensioned against -A: Abutment B: Jacket C: Concrete block D: Concrete grout Q.no 22. Which of them is a defect in timber? A: Knots B: Seasoning C: Warping D: tempering Q.no 23. What are the joints employed to extend the width of board or planks, which are placed edge to edge? A: Angle B: Widening C: Lapped D: Oblique Q.no 24. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as _____ A: Flat slab B: Waffle slab C: RCC slab D: Shear slab Q.no 25. A concrete slab made of reinforced concrete with concrete ribs running

in two directions on its underside is called as -

D: surface action



Q.no 30. Which type of varnish is a variety of French polish
A : Oil Varnish
B : Turpentine varnish
C : Spirit Varnish
D : Water varnish
Q.no 31. What is the liquid part of the paint called?
A : pigment
B: vehicle
C: base
D: drier
Q.no 32. The appearance of Anticorrosive paint is in color is -
A:Blue
B: White
C: Black
D: Yellow
Q.no 33. Electrical provisions can be easily installed in -
A : waffle slab
B : Flat slab
C : Flat plate slab
D : two way slab
Q.no 34. Physical volume of the space below does not get reduced in
A : Open False ceiling

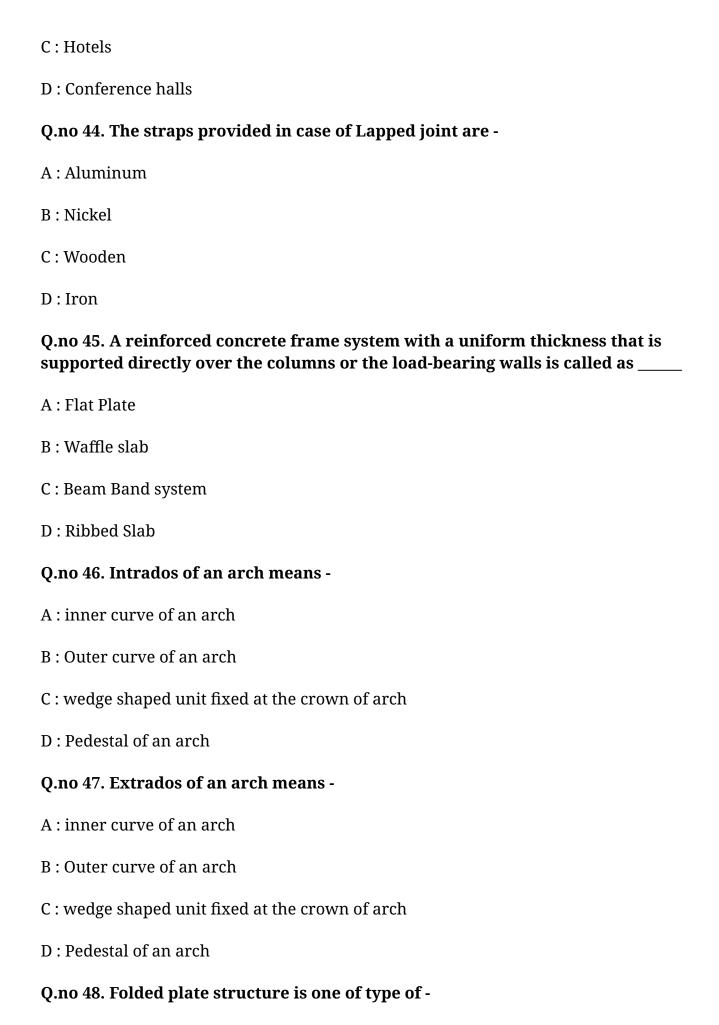
D : Flat Plate

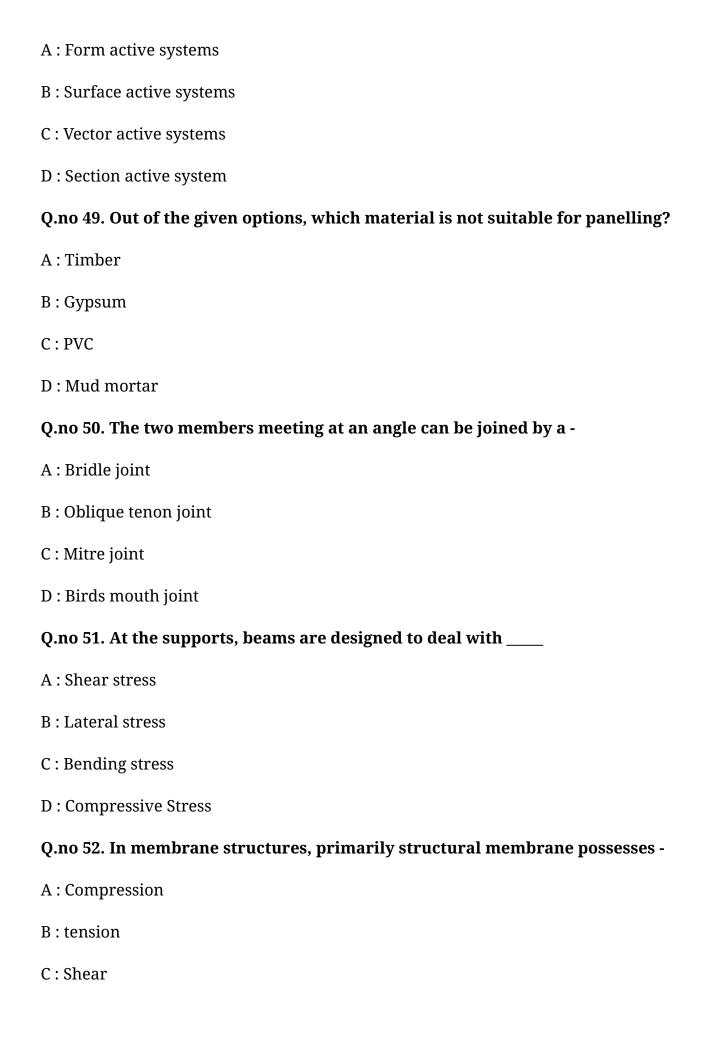
C : Suspended False ceiling
D : Half suspended ceiling
Q.no 35. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
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D : Corner joint
Q.no 36. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 37. Which one is not a step of timber processing?
A: Felling
B : Seasoning
C: Warping
D : Preservation
Q.no 38. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite

B : Closed false ceiling

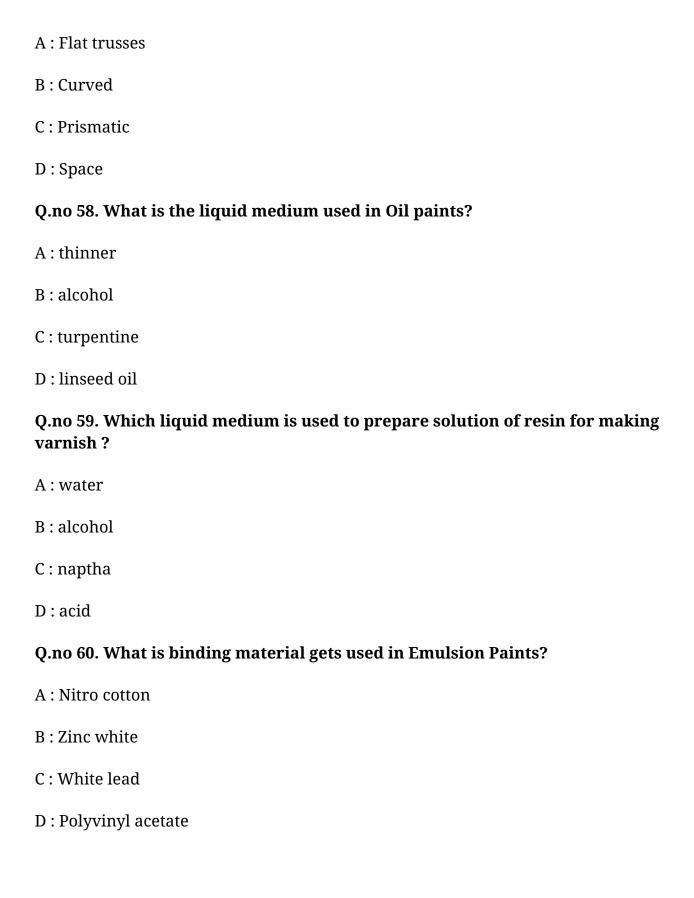
Q.no 39. Which defect is caused by water vapor which is trapped behind the painted surface? A: Flaking B: Fading C: Blistering D: Flashing Q.no 40. Which is a natural medium for seasoning of timber? A: Air B: Chemical C: Kiln D: Boiling Q.no 41. In Post tensioning method the cable duct is filled later with _____ A: Brick Bat B: Soil C: Steel D: Grout Q.no 42. Ribbed slabs are mainly used where -A: Floor to floor height is to reduced B: Clear Soffit is required C: Soffit is exposed D: Soffit is enclosed Q.no 43. Suspended decorated ceilings cannot be provided to _____ A: Service floors

B: Auditoriums





D : lateral stress
Q.no 53. Soft wood Ply is made up from -
A: Oak
B: Beech
C: Cedar
D : Mahogany
Q.no 54. The structural design principles of continuous flat slab floors are similar to:
A : One way slab
B: Two way slab
C : Cantilever slab
D : Diagonal slab
Q.no 55. Thickening in flat slab at the column is called as
A : Column pedestal
B: Cornice
C: Drop Panel
D : Column Head
Q.no 56. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 57. 3D trusses are also called as



Answer for Question No 1. is b
Answer for Question No 2. is a
Answer for Question No 3. is a
Answer for Question No 4. is d
Answer for Question No 5. is c
Answer for Question No 6. is b
Answer for Question No 7. is c
Answer for Question No 8. is a
Answer for Question No 9. is a
Answer for Question No 10. is d
Answer for Question No 11. is c
Answer for Question No 12. is a
Answer for Question No 13. is a
Answer for Question No 14. is b
Answer for Question No 15. is a

Ans	wer for Question No 16. is b
Ans	wer for Question No 17. is b
Ans	wer for Question No 18. is a
Ans	wer for Question No 19. is c
Ans	wer for Question No 20. is d
Ans	wer for Question No 21. is a
Ans	wer for Question No 22. is a
Ans	wer for Question No 23. is b
Ans	wer for Question No 24. is a
Ans	wer for Question No 25. is b
Ans	wer for Question No 26. is a
Ans	wer for Question No 27. is b
Ans	wer for Question No 28. is b
Ans	wer for Question No 29. is a
Ans	wer for Question No 30. is c
,	

Answer for Question No 31. is b	
Answer for Question No 32. is c	
Answer for Question No 33. is a	
Answer for Question No 34. is a	
Answer for Question No 35. is b	
Answer for Question No 36. is a	
Answer for Question No 37. is c	
Answer for Question No 38. is c	
Answer for Question No 39. is c	
Answer for Question No 40. is a	
Answer for Question No 41. is d	
Answer for Question No 42. is c	
Answer for Question No 43. is a	
Answer for Question No 44. is d	
Answer for Question No 45. is a	

An	swer for Question No 46. is a
An	swer for Question No 47. is b
An	swer for Question No 48. is b
An	swer for Question No 49. is d
An	swer for Question No 50. is c
An	swer for Question No 51. is a
An	swer for Question No 52. is b
An	swer for Question No 53. is c
An	swer for Question No 54. is b
An	swer for Question No 55. is c
An	swer for Question No 56. is c
An	swer for Question No 57. is c
An	swer for Question No 58. is d
An	swer for Question No 59. is b
An	swer for Question No 60. is d

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time	1hr	
111111111111111111111111111111111111111	1111	

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
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- 7) Use only black/blue ball point pen to darken the appropriate circle.
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- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which type of varnishes dry slowly, but they form hard and durable surface?

A:Oil

B: Spirit

C: Water

D: Turpentine

Q.no 2. Sole member in partitions is a _____

A: Horizontal member supporting Studs.

B: Horizontal member topping Studs

C : Cross member in the frame
D : Wedge between walls and frames.
Q.no 3. Which component is important in section active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 4. The first coat of paint applied during the painting process called as -
A : Priming coat
B : Finishing coat
C: End coat
D : Under coat
Q.no 5. Which joint is employed to extend the length of a member by joining two pieces of timber ?
A: Lapped
B: Angle
C: Lengthening
D: Bearing
Q.no 6. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B: Foundation
C : Column
D: Roof

Q.no 7. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C : RCC slab
D : Shear slab
Q.no 8. In Prestressing, the tendons are tensioned against -
A : Abutment
B : Jacket
C : Concrete block
D : Concrete grout
Q.no 9. Saving of weight and material is done in which type of RCC flooring system?
A : Flat Slab
B : Flat Plate slab
C : Ribbed slab
D : Band beam system
Q.no 10. Which structural element is absent in Flat Slab construction?
A : Column capitals
B : Shear walls
C : Footings
D : Beams
Q.no 11. Pigment is mixed in paints to give desired

A: smoothness

C: appearance
D : durability
Q.no 12. Out of the given options, which is not a defect in paints?
A: Blistering
B: Wrinkling
C: Flaking
D : Foxiness
Q.no 13. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A: Angle
B: Widening
C: Lapped
D : Oblique
Q.no 14. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as - $$
A : Flat Slab
B : Waffle Slab
C: Flat Plate
D : Post tensioning slab
Q.no 15. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below

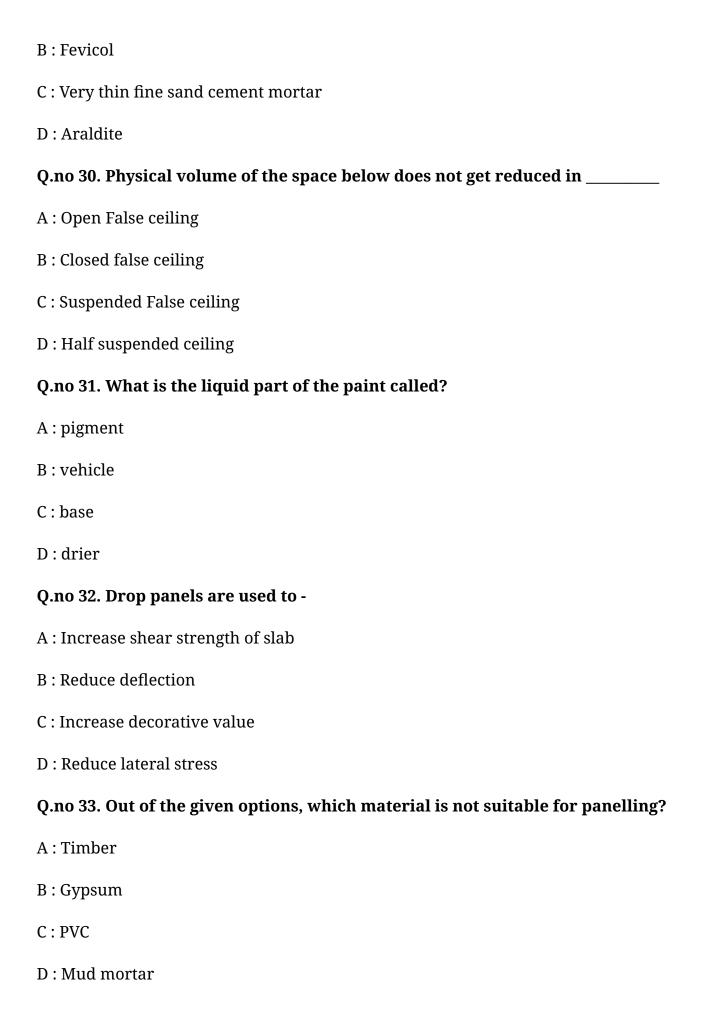
B:color

D: suspended from door Q.no 16. Which component is important in form active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 17. The members those transfer load vertically in bulk active system are -A: Column and load bearing walls B: Beam and Slab C: Roof and purlin D: Girder and Rafter Q.no 18. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups? A: Scarfed B: Spliced C: Mortise and tenon D: Lapped Q.no 19. Flat slabs are mainly used for _____ A: Long span B: Medium spans C: Short spans D : Cantilever spans

Q.no 20. What is the function of drier in a varnish?

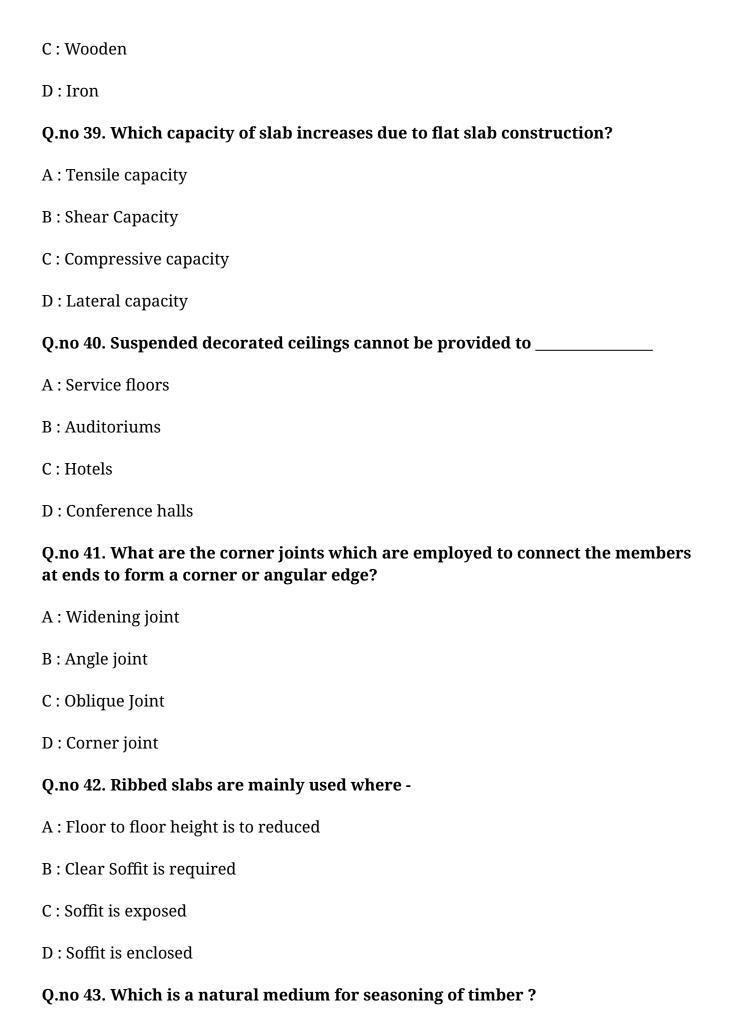
A: to accelerate process of drying B: to make the varnish durable C: to give glossy finish to varnish D: to impart liquidity to varnish Q.no 21. In pre-tensioned concrete, steel is pulled before -A: Concrete is poured B: Load is applied C: tension is appied D : casting of column Q.no 22. Material used as insulator in double skin partitions is -A: Sheep wool B: Glass powder C: Glass wool D: Timber shavings Q.no 23. Which component is important in vector active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 24. Which of them is a defect in timber? A: Knots B: Seasoning C: Warping

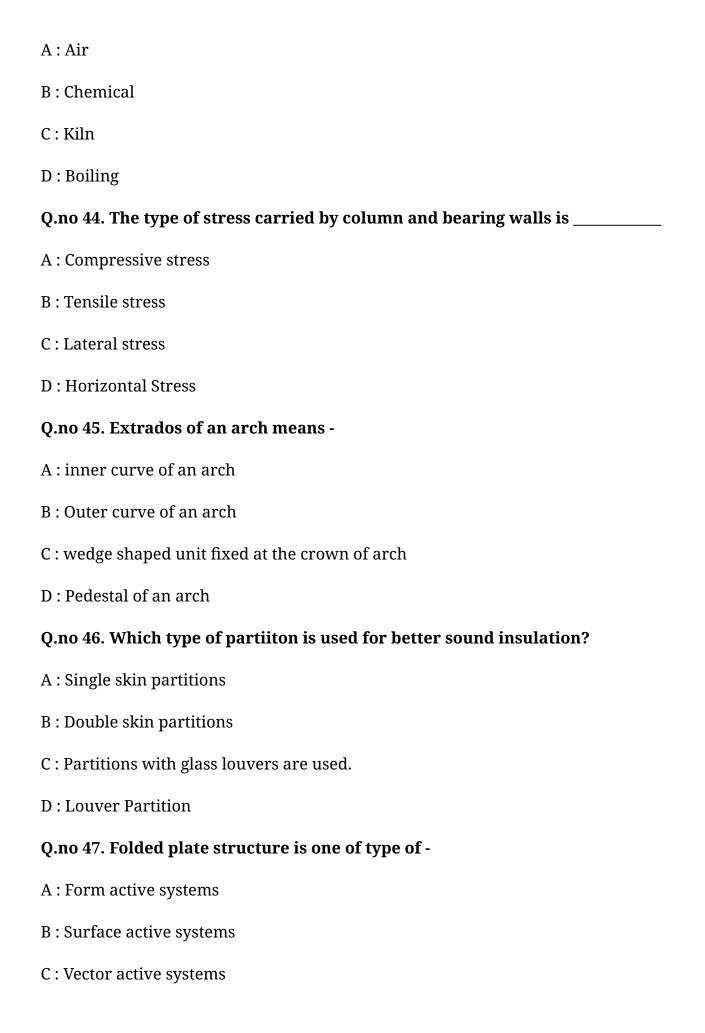
D: tempering
Q.no 25. In post-tensioning process, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : formwork is done
D : casting of column
Q.no 26. In Segmental Arch, the center of n arch lies
A : below the springing line
B : above the springing line
C : on the springing line
D : above one third portion of springing line
Q.no 27. Arch is type of -
A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 28. Complicated formwork is used in -
A : Waffle Slab
B : Cantilever Slab
C : Flat Slab
D : Flat Plate
Q.no 29. Glass blocks in glass partitions are joined together by
A : Glass welding



A: Bridle joint B: Oblique tenon joint C: Mitre joint D: Birds mouth joint Q.no 35. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 36. Intrados of an arch means -A: inner curve of an arch B: Outer curve of an arch C: wedge shaped unit fixed at the crown of arch D: Pedestal of an arch Q.no 37. In Post tensioning method the cable duct is filled later with ______ A: Brick Bat B: Soil C: Steel D: Grout Q.no 38. The straps provided in case of Lapped joint are -A: Aluminum B: Nickel

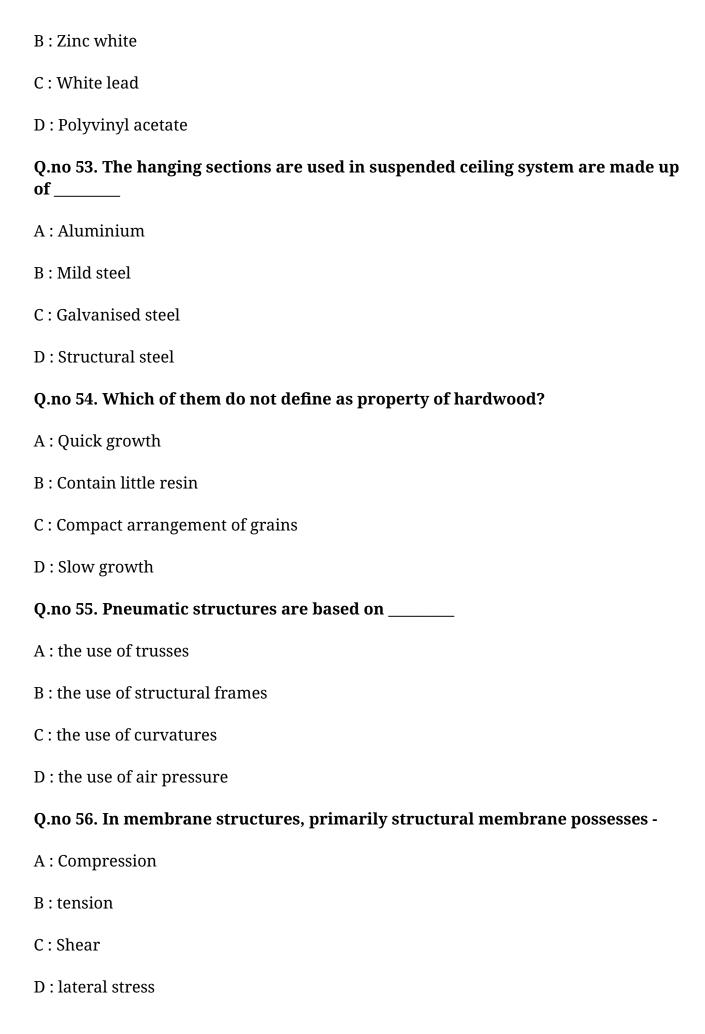
Q.no 34. The two members meeting at an angle can be joined by a -





D: Section active system Q.no 48. In pre stressed concrete beam, tensile stress is taken care by _____ A: Steel anchor B: Steel tendon C: Steel pipe D: Hollow duct Q.no 49. What is the base material for distemper? A: chalk B: sand C: clay D: lime putty Q.no 50. The appearance of Anticorrosive paint is in color is -A:Blue B: White C: Black D: Yellow Q.no 51. At the supports, beams are designed to deal with ____ A: Shear stress B: Lateral stress C: Bending stress D: Compressive Stress Q.no 52. What is binding material gets used in Emulsion Paints?

A: Nitro cotton



Q.no 57. 3D trusses are also called as
A: Flat trusses
B: Curved
C: Prismatic
D : Space
Q.no 58. Row of arches in continuation is called as
A : Curvature
B : Façade
C: Arcade
D : Keystone
Q.no 59. Thickening in flat slab at the column is called as
A : Column pedestal
B: Cornice
C: Drop Panel
D : Column Head
Q.no 60. In post tensioning the member which pulls the cables is known as -
A : Hydraulic Jack
B: Steel bars
C: Steel pipe
D : Steel Reinforcement

Answer for Question No 1. is a
Answer for Question No 2. is a
Answer for Question No 3. is c
Answer for Question No 4. is a
Answer for Question No 5. is c
Answer for Question No 6. is c
Answer for Question No 7. is a
Answer for Question No 8. is a
Answer for Question No 9. is c
Answer for Question No 10. is d
Answer for Question No 11. is b
Answer for Question No 12. is d
Answer for Question No 13. is b
Answer for Question No 14. is b
Answer for Question No 15. is a

Ans	swer for Question No 16. is b
Ans	swer for Question No 17. is a
Ans	swer for Question No 18. is d
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Ans	swer for Question No 22. is c
Ans	swer for Question No 23. is a
Ans	swer for Question No 24. is a
Ans	swer for Question No 25. is b
Ans	swer for Question No 26. is a
Ans	swer for Question No 27. is a
Ans	swer for Question No 28. is a
Ans	swer for Question No 29. is c
Ans	swer for Question No 30. is a
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Answer for Question No 31. is b	
Answer for Question No 32. is a	
Answer for Question No 33. is d	
Answer for Question No 34. is c	
Answer for Question No 35. is a	
Answer for Question No 36. is a	
Answer for Question No 37. is d	
Answer for Question No 38. is d	
Answer for Question No 39. is b	
Answer for Question No 40. is a	
Answer for Question No 41. is b	
Answer for Question No 42. is c	
Answer for Question No 43. is a	
Answer for Question No 44. is a	
Answer for Question No 45. is b	

Ans	swer for Question No 46. is b
Ans	swer for Question No 47. is b
Ans	swer for Question No 48. is b
Ans	swer for Question No 49. is a
Ans	swer for Question No 50. is c
Ans	swer for Question No 51. is a
Ans	swer for Question No 52. is d
Ans	swer for Question No 53. is a
Ans	swer for Question No 54. is a
Ans	swer for Question No 55. is d
Ans	swer for Question No 56. is b
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is c
Ans	swer for Question No 59. is c
Ans	swer for Question No 60. is a

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
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- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which component is important in surface active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional sizes and depths of the components

D: surface action

Q.no 2. Which component is important in section active systems?

A: vector forces in members

B : profile, shape and form

C: Sectional sizes and depths of the components

D: surface action Q.no 3. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as ____ A: Flat slab B: Waffle slab C: RCC slab D: Shear slab Q.no 4. Which structural element is absent in Flat Slab construction? A: Column capitals B: Shear walls C: Footings D: Beams Q.no 5. The first coat of paint applied during the painting process called as -A: Priming coat B: Finishing coat C: End coat D: Under coat Q.no 6. Out of the given options, which cannot be a reason to provide suspended ceiling? A: hiding the service lines

D : for reducing the volume of space and load on A.C.

B: For better natural light

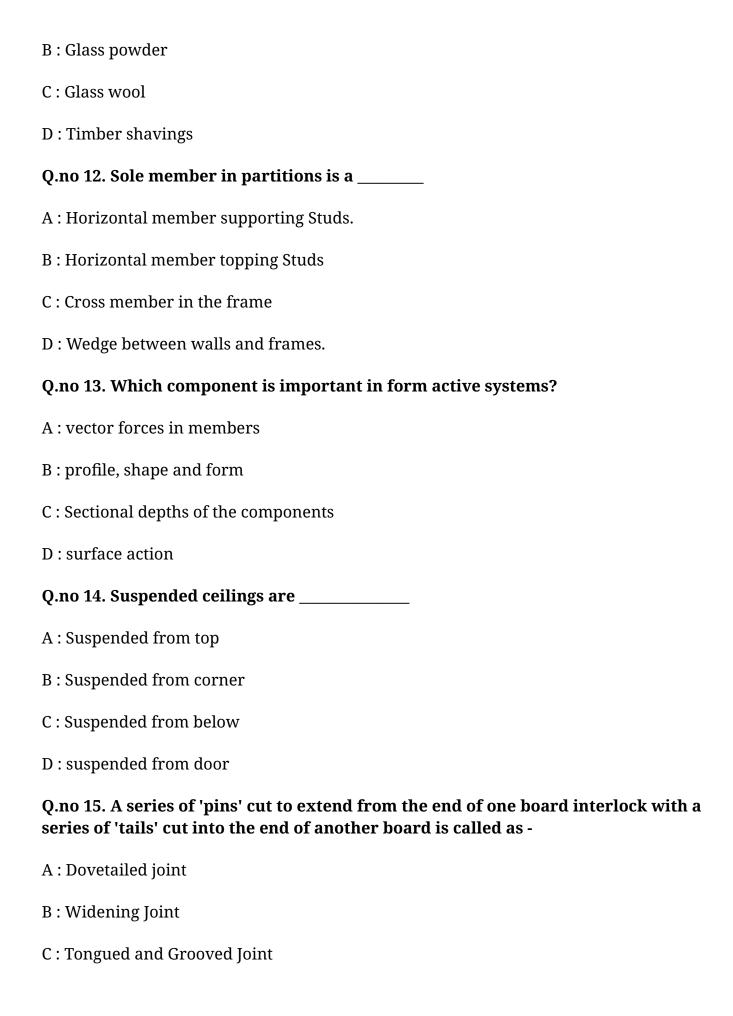
C: For aesthetic purpose

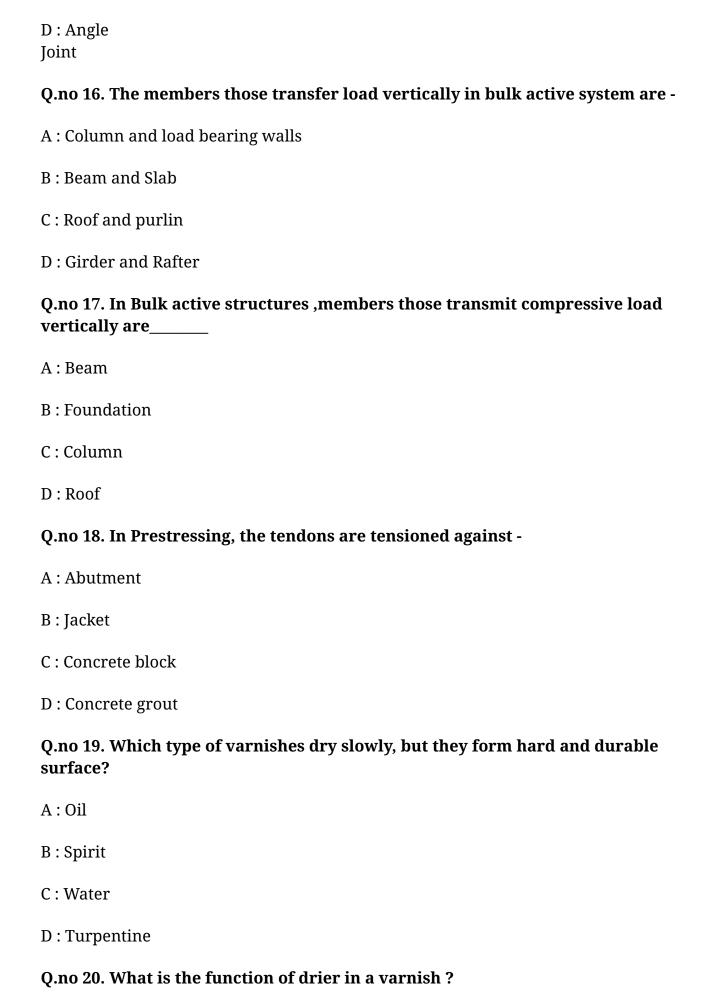
Q.no 7. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means

A: Scarfed
B : Spliced
C : Mortise and tenon
D : Lapped
Q.no 8. Flat slabs are mainly used for
A : Long span
B : Medium spans
C : Short spans
D : Cantilever spans
Q.no 9. Which joint is employed to extend the length of a member by joining two pieces of timber ?
A : Lapped
B : Angle
C: Lengthening
D : Bearing
Q.no 10. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -
A : Flat Slab
B : Waffle Slab
C : Flat Plate
D : Post tensioning slab
Q.no 11. Material used as insulator in double skin partitions is -

of iron straps or Stirrups?

A: Sheep wool



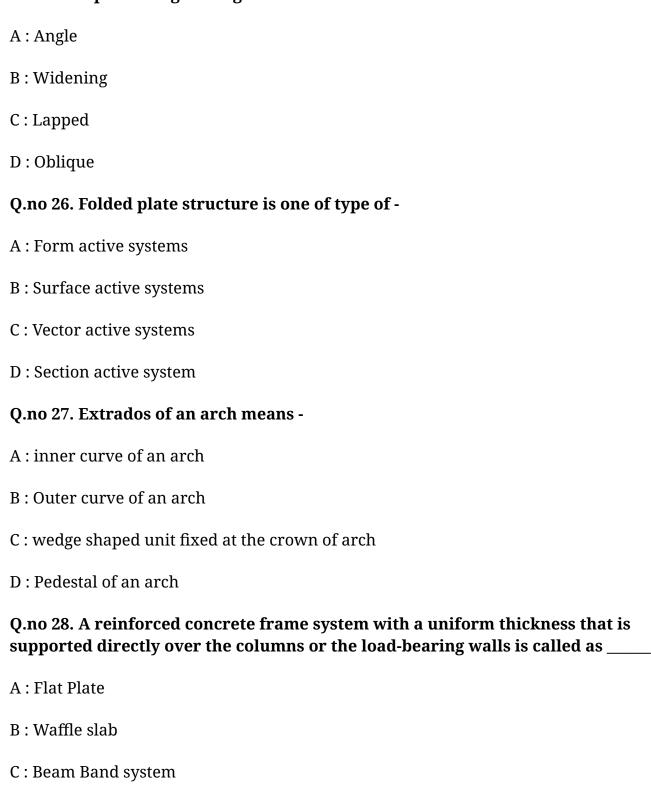


A: to accelerate process of drying B: to make the varnish durable C: to give glossy finish to varnish D: to impart liquidity to varnish Q.no 21. In post-tensioning process, steel is pulled before -A: Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 22. In pre-tensioned concrete, steel is pulled before -A: Concrete is poured B: Load is applied C: tension is appied D: casting of column Q.no 23. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab D: Band beam system Q.no 24. Out of the given options, which is not a defect in paints? A: Blistering B: Wrinkling C: Flaking

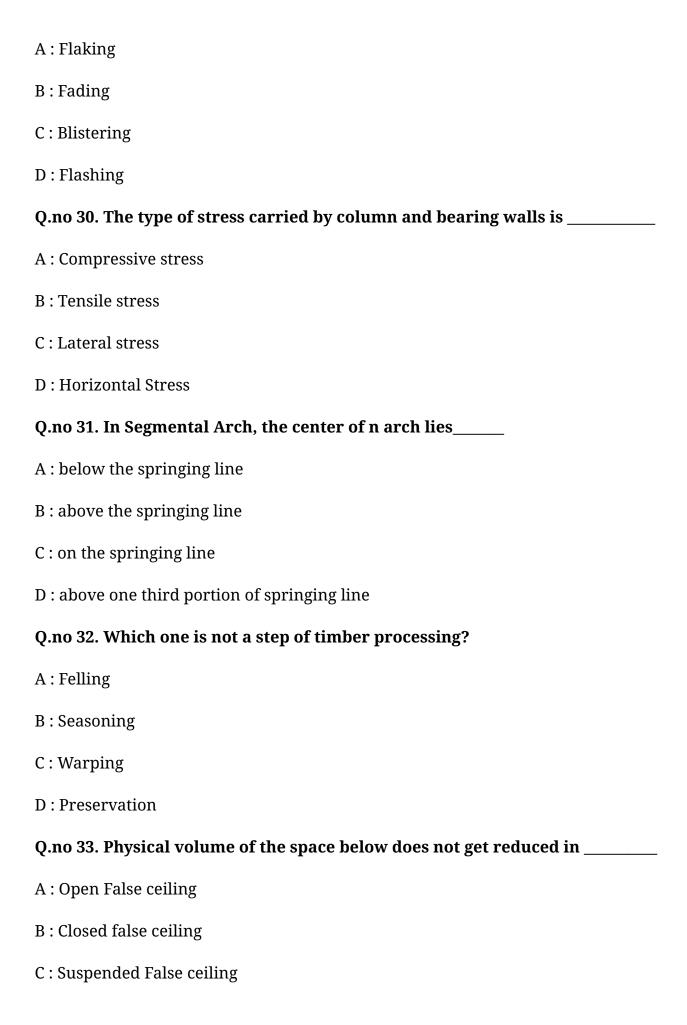
D: Foxiness

D: Ribbed Slab

Q.no 25. What are the joints employed to extend the width of board or planks, which are placed edge to edge?

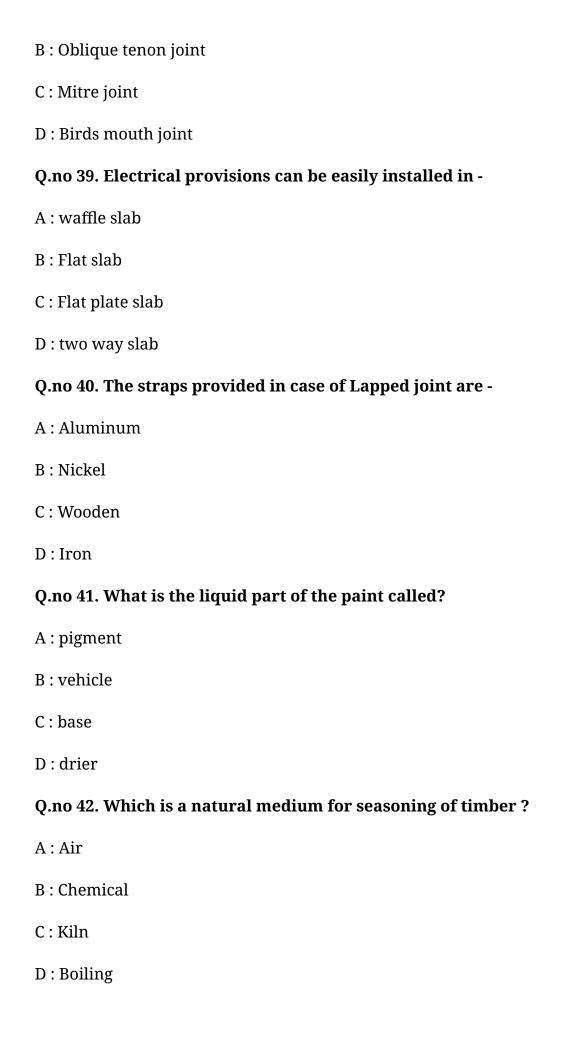


Q.no 29. Which defect is caused by water vapor which is trapped behind the painted surface?



D : Half suspended ceiling
Q.no 34. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 35. Complicated formwork is used in -
A : Waffle Slab
B : Cantilever Slab
C : Flat Slab
D : Flat Plate
Q.no 36. In Post tensioning method the cable duct is filled later with
Q.no 36. In Post tensioning method the cable duct is filled later with A: Brick Bat
A : Brick Bat
A: Brick Bat B: Soil
A: Brick Bat B: Soil C: Steel
A: Brick Bat B: Soil C: Steel D: Grout
A: Brick Bat B: Soil C: Steel D: Grout Q.no 37. Which type of partiiton is used for better sound insulation?
A: Brick Bat B: Soil C: Steel D: Grout Q.no 37. Which type of partiiton is used for better sound insulation? A: Single skin partitions
A: Brick Bat B: Soil C: Steel D: Grout Q.no 37. Which type of partiiton is used for better sound insulation? A: Single skin partitions B: Double skin partitions

A : Bridle joint

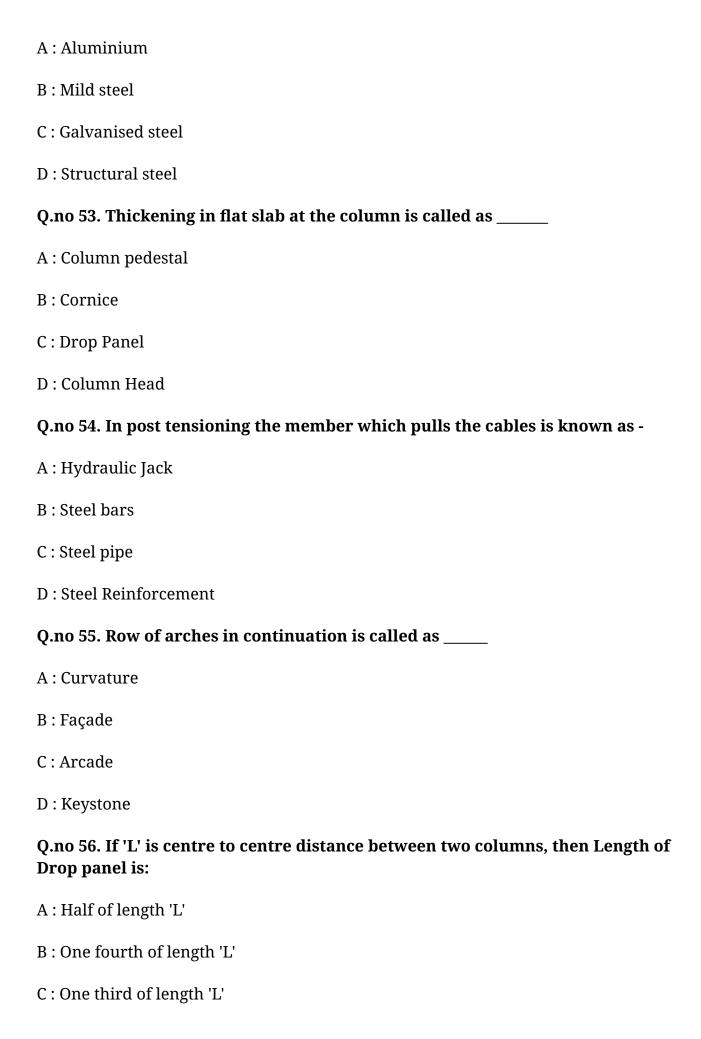


Q.no 43. The appearance of Anticorrosive paint is in color is -A: Blue B: White C: Black D: Yellow Q.no 44. Intrados of an arch means -A: inner curve of an arch B: Outer curve of an arch C: wedge shaped unit fixed at the crown of arch D: Pedestal of an arch Q.no 45. Arch is type of -A: self-supporting compressive structure B: self-supporting tensile structure C: Surface active structure D: Vector active structure Q.no 46. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 47. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?

A: Widening joint

B : Angle joint

C : Oblique Joint
D : Corner joint
Q.no 48. Suspended decorated ceilings cannot be provided to
A : Service floors
B : Auditoriums
C: Hotels
D : Conference halls
Q.no 49. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite
Q.no 50. In pre stressed concrete beam, tensile stress is taken care by
A : Steel anchor
B: Steel tendon
C: Steel pipe
D : Hollow duct
Q.no 51. Which of them do not define as property of hardwood?
A : Quick growth
B : Contain little resin
C : Compact arrangement of grains
D : Slow growth
Q.no 52. The hanging sections are used in suspended ceiling system are made up of



D : One Fifth of length 'L'
Q.no 57. Dynamic Loads are considered for
A : Swimming pools
B: water tanks
C: Bridges
D : Basement structures
Q.no 58. The structural design principles of continuous flat slab floors are similar to:
A : One way slab
B: Two way slab
C : Cantilever slab
D : Diagonal slab
Q.no 59. What is binding material gets used in Emulsion Paints?
A: Nitro cotton
B : Zinc white
C : White lead
D : Polyvinyl acetate
Q.no 60. Shell structure is one of the type of
A : Form active system
B : Surface active systems
C : Vector active systems
D : Section active system

Answer for Question No 1. is d
Answer for Question No 2. is c
Answer for Question No 3. is a
Answer for Question No 4. is d
Answer for Question No 5. is a
Answer for Question No 6. is b
Answer for Question No 7. is d
Answer for Question No 8. is b
Answer for Question No 9. is c
Answer for Question No 10. is b
Answer for Question No 11. is c
Answer for Question No 12. is a
Answer for Question No 13. is b
Answer for Question No 14. is a
Answer for Question No 15. is a

An	swer for Question No 16. is a
An	swer for Question No 17. is c
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An	swer for Question No 19. is a
An	swer for Question No 20. is a
An	swer for Question No 21. is b
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An	swer for Question No 23. is c
An	swer for Question No 24. is d
An	swer for Question No 25. is b
An	swer for Question No 26. is b
An	swer for Question No 27. is b
An	swer for Question No 28. is a
An	swer for Question No 29. is c
An	swer for Question No 30. is a

Answer for Question No 31. is a	
Answer for Question No 32. is c	
Answer for Question No 33. is a	
Answer for Question No 34. is a	
Answer for Question No 35. is a	
Answer for Question No 36. is d	
Answer for Question No 37. is b	
Answer for Question No 38. is c	
Answer for Question No 39. is a	
Answer for Question No 40. is d	
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Answer for Question No 43. is c	
Answer for Question No 44. is a	
Answer for Question No 45. is a	

An	swer for Question No 46. is c
An	swer for Question No 47. is b
An	swer for Question No 48. is a
An	swer for Question No 49. is c
An	swer for Question No 50. is b
An	swer for Question No 51. is a
An	swer for Question No 52. is a
An	swer for Question No 53. is c
An	swer for Question No 54. is a
An	swer for Question No 55. is c
An	swer for Question No 56. is c
An	swer for Question No 57. is c
An	swer for Question No 58. is b
An	swer for Question No 59. is d
An	swer for Question No 60. is b
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
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Q.no 1. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -

A: Flat Slab

B: Waffle Slab

C: Flat Plate

D : Post tensioning slab

Q.no 2. Which component is important in surface active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional sizes and depths of the components D: surface action Q.no 3. The members those transfer load vertically in bulk active system are -A: Column and load bearing walls B: Beam and Slab C: Roof and purlin D: Girder and Rafter Q.no 4. Which component is important in vector active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 5. In post-tensioning process, steel is pulled before -A: Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 6. Out of the given options, which cannot be a reason to provide suspended ceiling? A: hiding the service lines B: For better natural light C: For aesthetic purpose D: for reducing the volume of space and load on A.C.

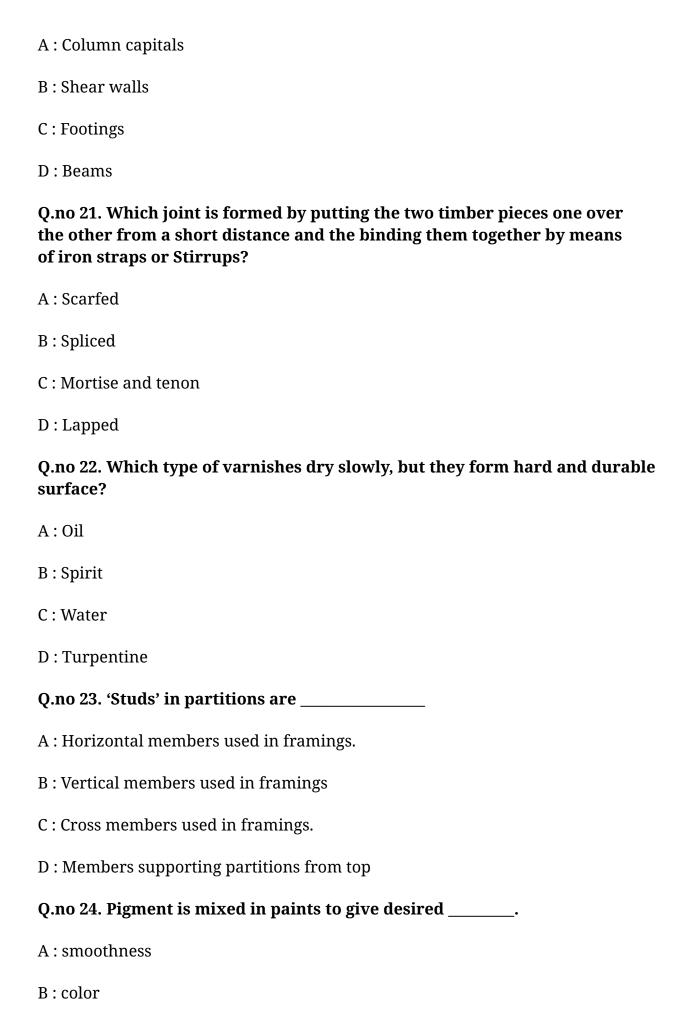
to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C: RCC slab
D : Shear slab
Q.no 8. Out of the given options, which is not a defect in paints?
A: Blistering
B: Wrinkling
C : Flaking
D : Foxiness
Q.no 9. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A : Angle
B: Widening
C: Lapped
D : Oblique
Q.no 10. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door
Q.no 11. What is the function of drier in a varnish?

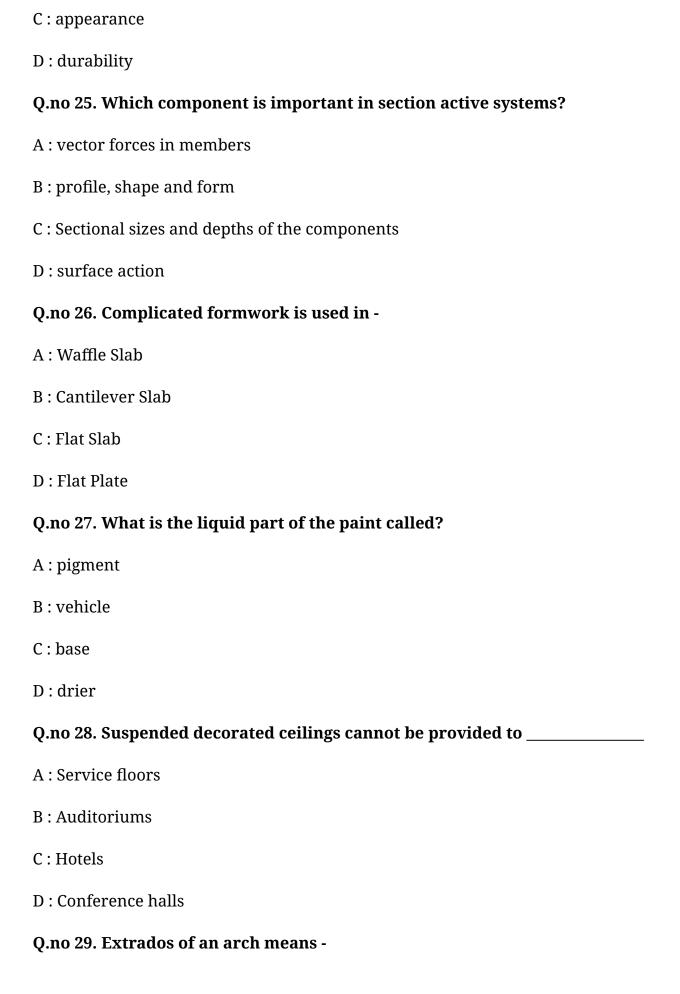
A : to accelerate process of drying

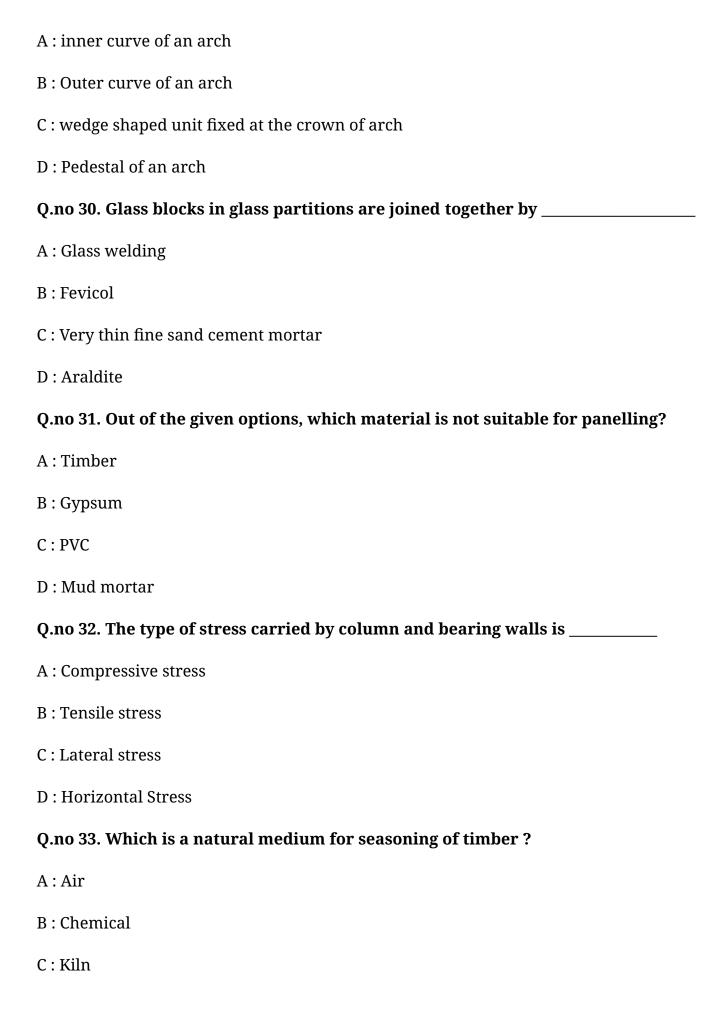
B: to make the varnish durable C: to give glossy finish to varnish D: to impart liquidity to varnish Q.no 12. In Prestressing, the tendons are tensioned against -A: Abutment B: Jacket C: Concrete block D: Concrete grout Q.no 13. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -A: Dovetailed joint B: Widening Joint C: Tongued and Grooved Joint D: Angle **Joint** Q.no 14. In pre-tensioned concrete, steel is pulled before -A: Concrete is poured B: Load is applied C: tension is appied D: casting of column Q.no 15. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab

D: Band beam system Q.no 16. In Bulk active structures, members those transmit compressive load vertically are_ A: Beam B: Foundation C: Column D: Roof Q.no 17. Which component is important in form active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 18. Which of them is a defect in timber? A: Knots B: Seasoning C: Warping D: tempering Q.no 19. Which joint is employed to extend the length of a member by joining two pieces of timber? A: Lapped B: Angle C: Lengthening D : Bearing

Q.no 20. Which structural element is absent in Flat Slab construction?





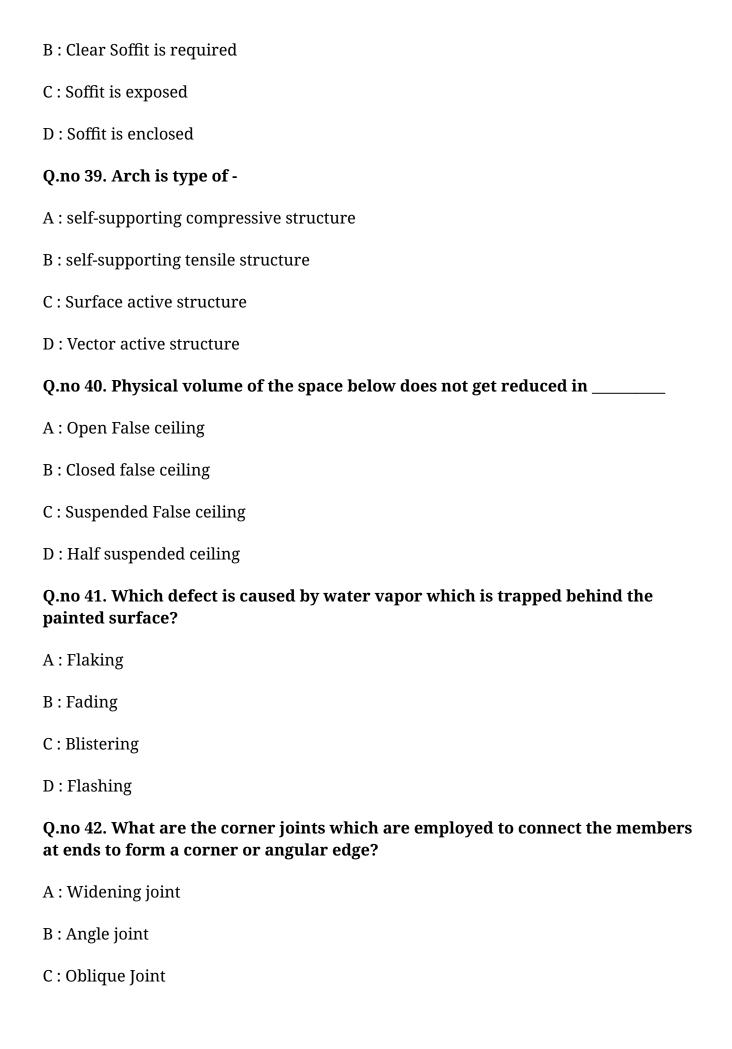


D: Boiling Q.no 34. Drop panels are used to -A: Increase shear strength of slab B: Reduce deflection C: Increase decorative value D: Reduce lateral stress Q.no 35. Which one is not a step of timber processing? A: Felling B: Seasoning C: Warping D: Preservation Q.no 36. Intrados of an arch means -A: inner curve of an arch B: Outer curve of an arch C: wedge shaped unit fixed at the crown of arch D: Pedestal of an arch Q.no 37. The appearance of Anticorrosive paint is in color is -A:Blue B: White C: Black

D: Yellow

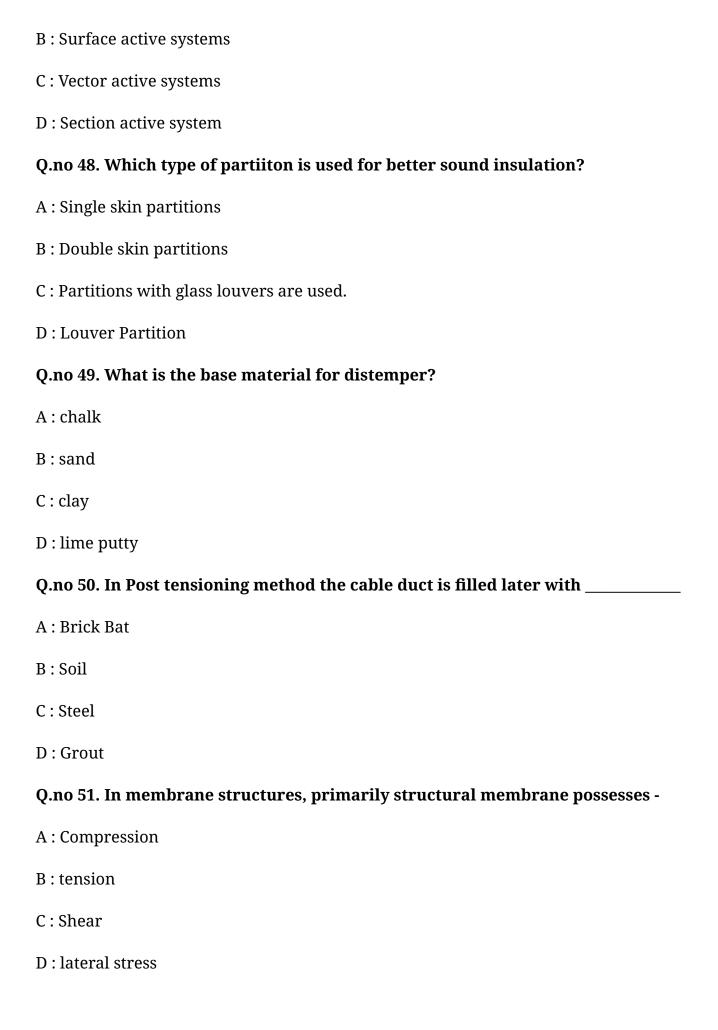
A: Floor to floor height is to reduced

Q.no 38. Ribbed slabs are mainly used where -



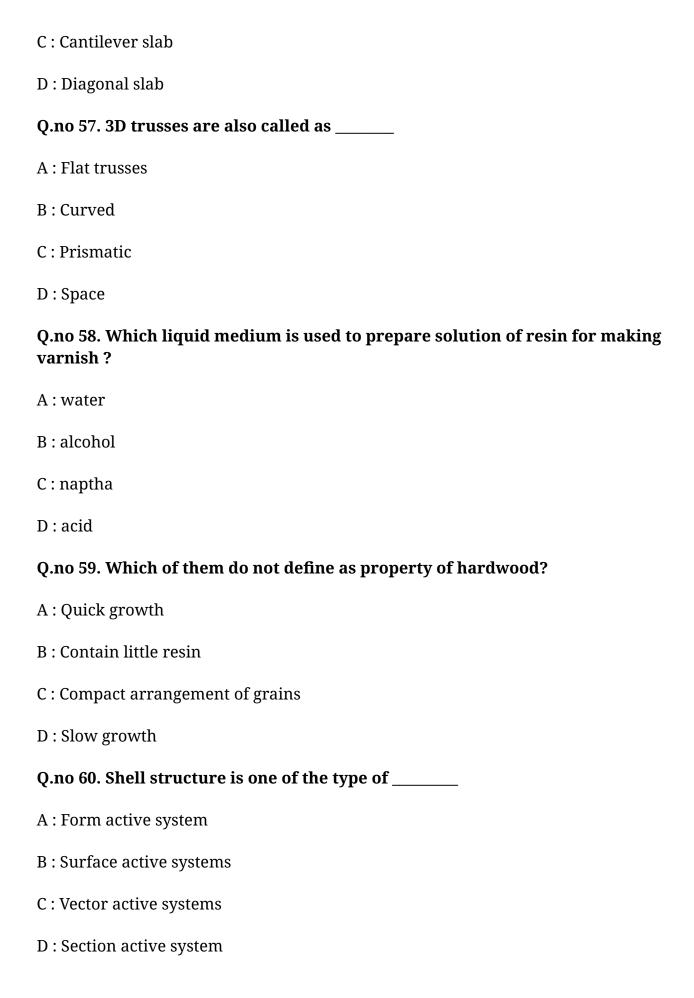
D: Corner joint Q.no 43. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 44. Which capacity of slab increases due to flat slab construction? A: Tensile capacity B: Shear Capacity C: Compressive capacity D: Lateral capacity Q.no 45. The straps provided in case of Lapped joint are -A: Aluminum B: Nickel C: Wooden D: Iron Q.no 46. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 47. Folded plate structure is one of type of -

A: Form active systems



Q.no 52. What is the liquid medium used in Oil paints? A: thinner B: alcohol C: turpentine D: linseed oil Q.no 53. At the supports, beams are designed to deal with ____ A: Shear stress B: Lateral stress C: Bending stress D: Compressive Stress Q.no 54. In post tensioning the member which pulls the cables is known as -A: Hydraulic Jack B: Steel bars C: Steel pipe D: Steel Reinforcement Q.no 55. What is binding material gets used in Emulsion Paints? A: Nitro cotton B: Zinc white C: White lead D: Polyvinyl acetate Q.no 56. The structural design principles of continuous flat slab floors are similar A: One way slab

B: Two way slab



Answer for Question No 1. is b	
Answer for Question No 2. is d	
Answer for Question No 3. is a	
Answer for Question No 4. is a	
Answer for Question No 5. is b	
Answer for Question No 6. is b	
Answer for Question No 7. is a	
Answer for Question No 8. is d	
Answer for Question No 9. is b	
Answer for Question No 10. is a	
Answer for Question No 11. is a	
Answer for Question No 12. is a	
Answer for Question No 13. is a	
Answer for Question No 14. is a	
Answer for Question No 15. is c	

Answer for Ques	tion No 16. is c		
Answer for Ques	tion No 17. is b		
Answer for Ques	tion No 18. is a		
Answer for Ques	tion No 19. is c		
Answer for Ques	tion No 20. is d		
Answer for Ques	tion No 21. is d		
Answer for Ques	tion No 22. is a		
Answer for Ques	tion No 23. is b		
Answer for Ques	tion No 24. is b		
Answer for Ques	tion No 25. is c		
Answer for Ques	tion No 26. is a		
Answer for Ques	tion No 27. is b		
Answer for Ques	tion No 28. is a		
Answer for Ques	tion No 29. is b		
Answer for Ques	tion No 30. is c		
7			

Answ	wer for Question No 31. is d
Answ	wer for Question No 32. is a
Answ	wer for Question No 33. is a
Answ	wer for Question No 34. is a
Answ	wer for Question No 35. is c
Answ	wer for Question No 36. is a
Answ	wer for Question No 37. is c
Answ	wer for Question No 38. is c
Answ	wer for Question No 39. is a
Answ	wer for Question No 40. is a
Answ	wer for Question No 41. is c
Answ	wer for Question No 42. is b
Answ	wer for Question No 43. is c
Answ	wer for Question No 44. is b
Answ	wer for Question No 45. is d

_	Answer for Question No 46. is a
_	Answer for Question No 47. is b
	Answer for Question No 48. is b
	Answer for Question No 49. is a
	Answer for Question No 50. is d
	Answer for Question No 51. is b
	Answer for Question No 52. is d
	Answer for Question No 53. is a
	Answer for Question No 54. is a
_	Answer for Question No 55. is d
_	Answer for Question No 56. is b
	Answer for Question No 57. is c
	Answer for Question No 58. is b
	Answer for Question No 59. is a
	Answer for Question No 60. is b

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed

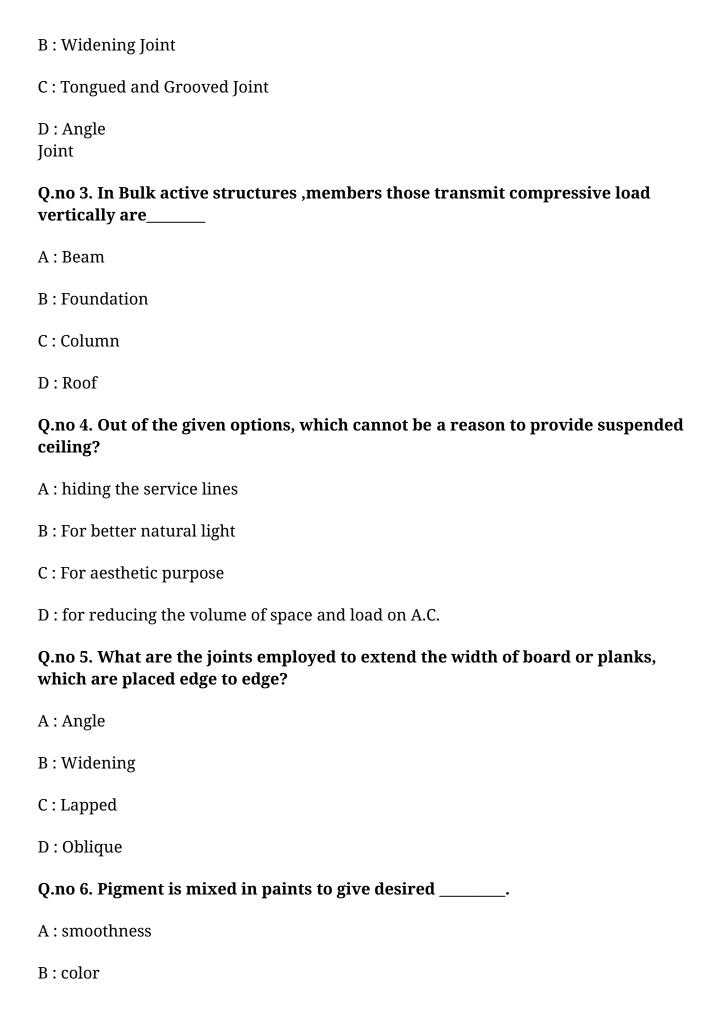
B: Spliced

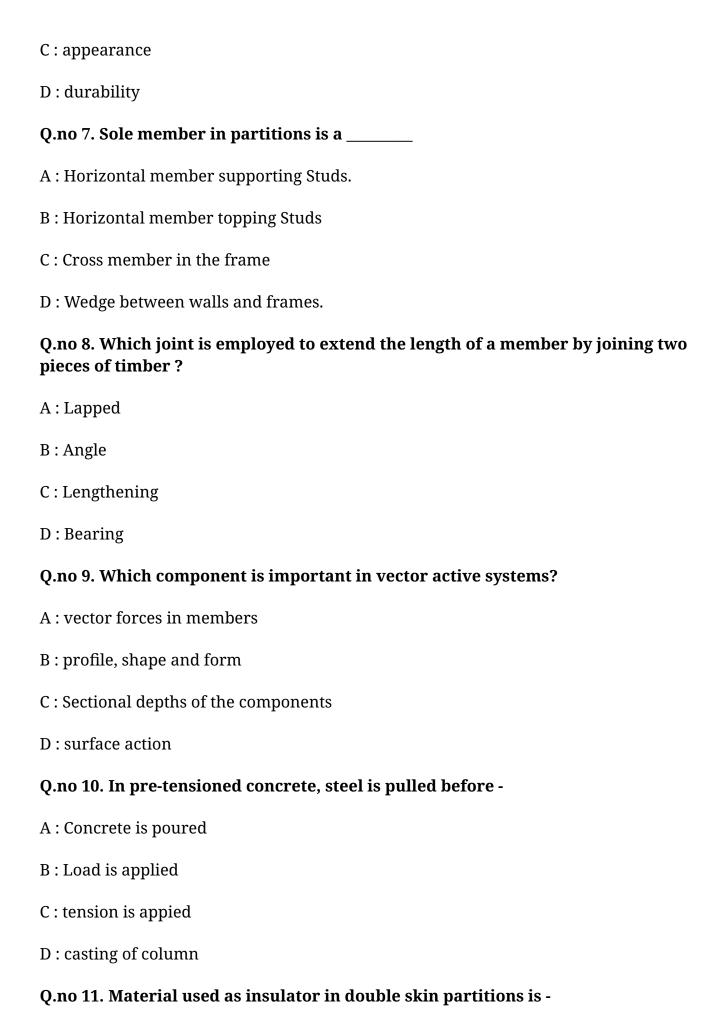
C: Mortise and tenon

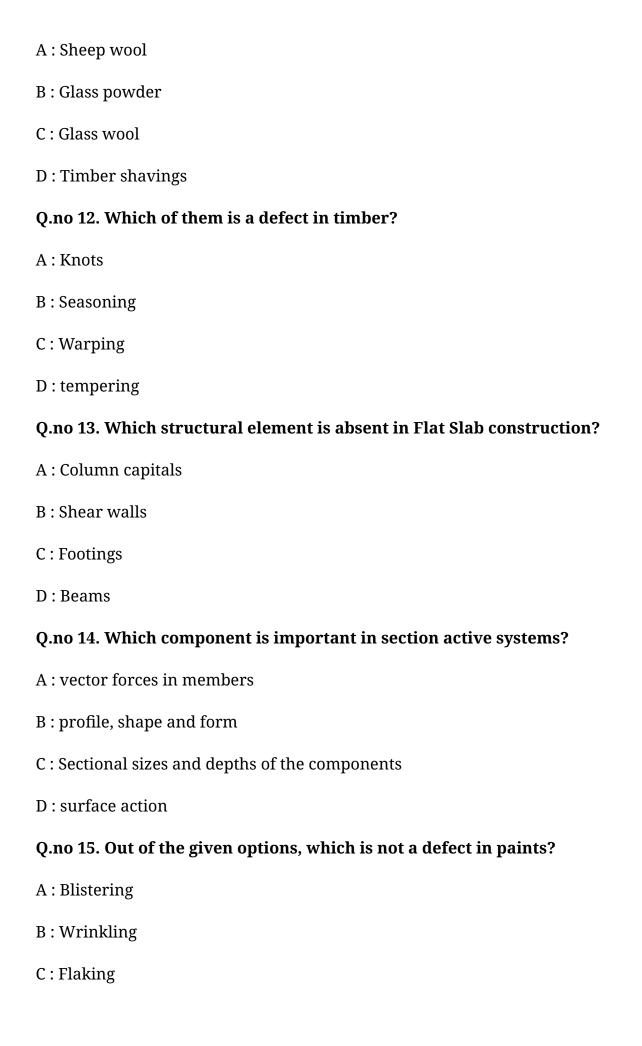
D: Lapped

Q.no 2. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -

A: Dovetailed joint





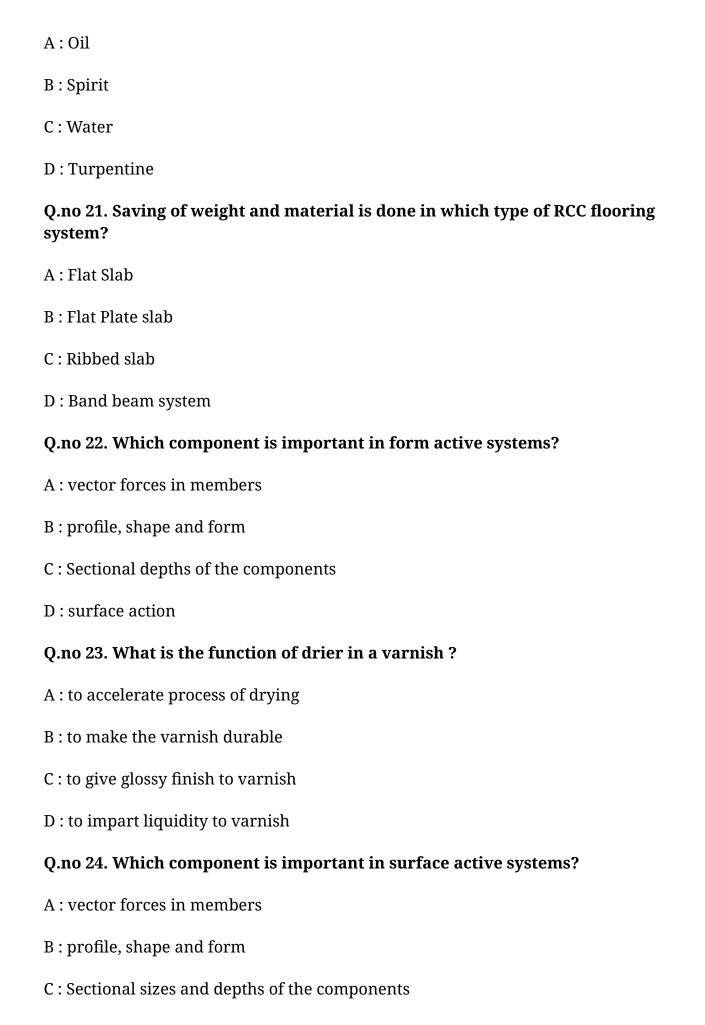


A: Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 17. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -A: Flat Slab B: Waffle Slab C: Flat Plate D: Post tensioning slab Q.no 18. 'Studs' in partitions are _____ A: Horizontal members used in framings. B: Vertical members used in framings C: Cross members used in framings. D: Members supporting partitions from top Q.no 19. Flat slabs are mainly used for _____ A: Long span B: Medium spans C: Short spans D : Cantilever spans Q.no 20. Which type of varnishes dry slowly, but they form hard and durable

Q.no 16. In post-tensioning process, steel is pulled before -

D: Foxiness

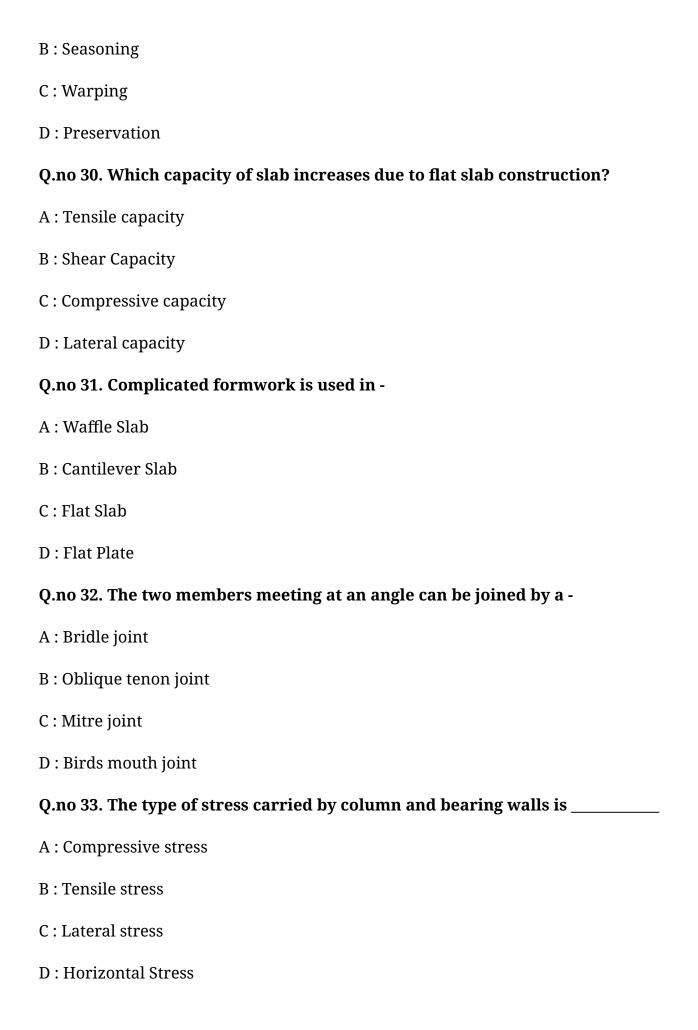
surface?



Q.no 25. In Prestressing, the tendons are tensioned against -A: Abutment B: Jacket C: Concrete block D: Concrete grout Q.no 26. In pre stressed concrete beam, tensile stress is taken care by _____ A: Steel anchor B: Steel tendon C: Steel pipe D: Hollow duct Q.no 27. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 28. The appearance of Anticorrosive paint is in color is -A:Blue B: White C: Black D: Yellow Q.no 29. Which one is not a step of timber processing?

D: surface action

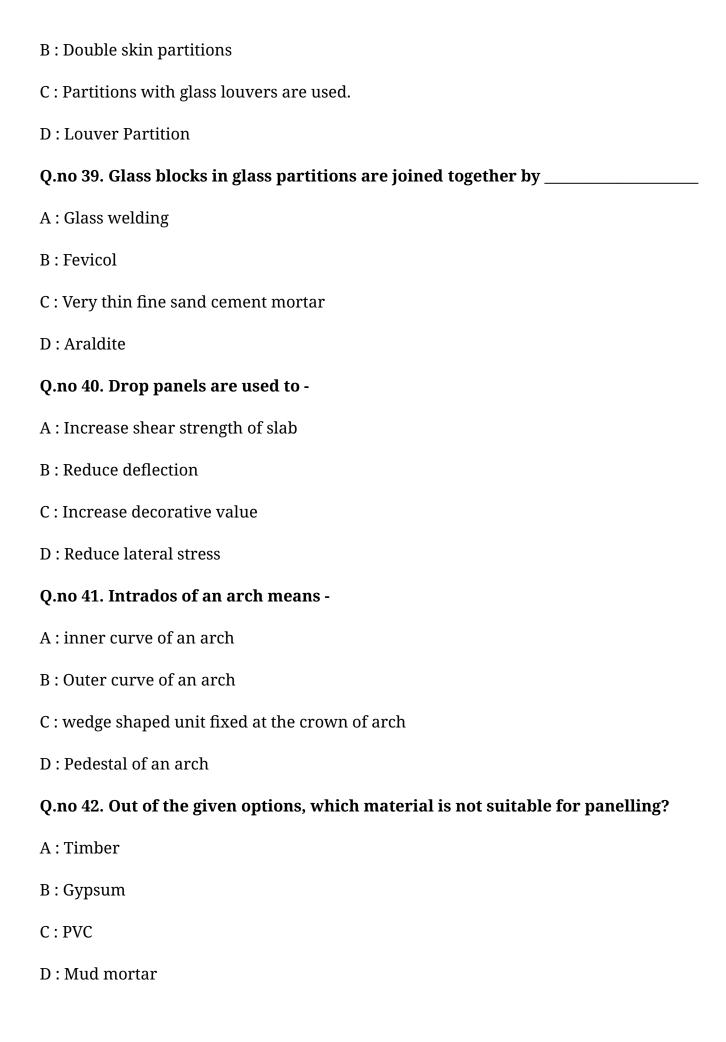
A: Felling



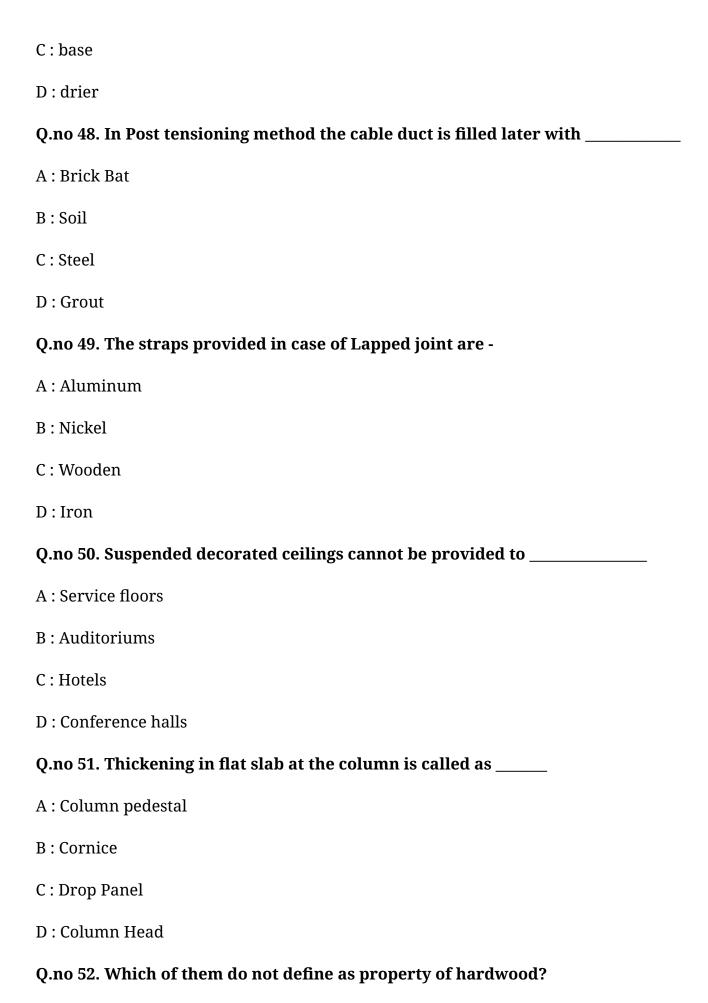
Q.no 34. Which defect is caused by water vapor which is trapped behind the painted surface?

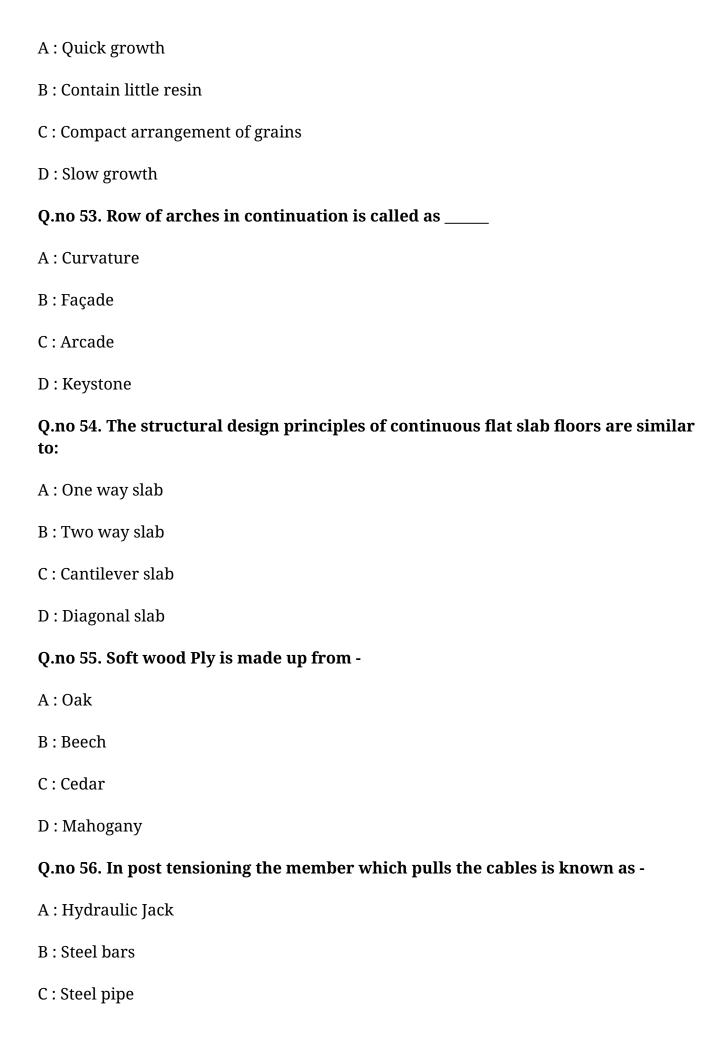
A: Flaking
B: Fading
C: Blistering
D : Flashing
Q.no 35. Extrados of an arch means -
A : inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 36. In Segmental Arch, the center of n arch lies
A: below the springing line
B : above the springing line
C: on the springing line
D : above one third portion of springing line
Q.no 37. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 38. Which type of partiiton is used for better sound insulation?

A : Single skin partitions



Q.no 43. Which is a natural medium for seasoning of timber? A: Air B: Chemical C: Kiln D: Boiling Q.no 44. Physical volume of the space below does not get reduced in _____ A: Open False ceiling B: Closed false ceiling C: Suspended False ceiling D: Half suspended ceiling Q.no 45. Folded plate structure is one of type of -A: Form active systems B: Surface active systems C: Vector active systems D: Section active system Q.no 46. Arch is type of -A: self-supporting compressive structure B: self-supporting tensile structure C: Surface active structure D: Vector active structure Q.no 47. What is the liquid part of the paint called? A: pigment B: vehicle





Q.no 57. The hanging sections are used in suspended ceiling system are made up A: Aluminium B: Mild steel C: Galvanised steel D: Structural steel Q.no 58. Which liquid medium is used to prepare solution of resin for making varnish? A: water B: alcohol C: naptha D: acid Q.no 59. Shell structure is one of the type of _____ A: Form active system B: Surface active systems C: Vector active systems D : Section active system Q.no 60. At the supports, beams are designed to deal with ____ A: Shear stress B: Lateral stress C: Bending stress

D: Steel Reinforcement

D: Compressive Stress

Answer for Question No 1. is d
Answer for Question No 2. is a
Answer for Question No 3. is c
Answer for Question No 4. is b
Answer for Question No 5. is b
Answer for Question No 6. is b
Answer for Question No 7. is a
Answer for Question No 8. is c
Answer for Question No 9. is a
Answer for Question No 10. is a
Answer for Question No 11. is c
Answer for Question No 12. is a
Answer for Question No 13. is d
Answer for Question No 14. is c
Answer for Question No 15. is d

Ans	swer for Question No 16. is b
Ans	swer for Question No 17. is b
Ans	swer for Question No 18. is b
Ans	swer for Question No 19. is b
Ans	swer for Question No 20. is a
Ans	swer for Question No 21. is c
Ans	swer for Question No 22. is b
Ans	swer for Question No 23. is a
Ans	swer for Question No 24. is d
Ans	swer for Question No 25. is a
Ans	swer for Question No 26. is b
Ans	swer for Question No 27. is a
Ans	swer for Question No 28. is c
Ans	swer for Question No 29. is c
Ans	swer for Question No 30. is b

Answer for Question No 31. is a	
Answer for Question No 32. is c	
Answer for Question No 33. is a	
Answer for Question No 34. is c	
Answer for Question No 35. is b	
Answer for Question No 36. is a	
Answer for Question No 37. is b	
Answer for Question No 38. is b	
Answer for Question No 39. is c	
Answer for Question No 40. is a	
Answer for Question No 41. is a	
Answer for Question No 42. is d	
Answer for Question No 43. is a	
Answer for Question No 44. is a	
Answer for Question No 45. is b	

An	swer for Question No 46. is a
An	swer for Question No 47. is b
An	swer for Question No 48. is d
An	swer for Question No 49. is d
An	swer for Question No 50. is a
An	swer for Question No 51. is c
An	swer for Question No 52. is a
An	swer for Question No 53. is c
An	swer for Question No 54. is b
An	swer for Question No 55. is c
An	swer for Question No 56. is a
An	swer for Question No 57. is a
An	swer for Question No 58. is b
An	swer for Question No 59. is b
An	swer for Question No 60. is a
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

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- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which component is important in surface active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional sizes and depths of the components

D: surface action

Q.no 2. Which component is important in vector active systems?

A: vector forces in members

B: profile, shape and form

C : Sectional depths of the components

D: surface action

Q.no 3. Saving of weight and material is done in which type of RCC flooring system?

A: Flat Slab

B: Flat Plate slab

C: Ribbed slab

D: Band beam system

Q.no 4. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -

A: Dovetailed joint

B: Widening Joint

C: Tongued and Grooved Joint

D : Angle Joint

Q.no 5. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed

B: Spliced

C: Mortise and tenon

D: Lapped

Q.no 6. Material used as insulator in double skin partitions is -

A: Sheep wool

B: Glass powder

C: Glass wool

D: Timber shavings

Q.no 7. What are the joints employed to extend the width of board or planks, which are placed edge to edge? A: Angle B: Widening C: Lapped D: Oblique Q.no 8. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 9. Sole member in partitions is a _____ A: Horizontal member supporting Studs. B: Horizontal member topping Studs C: Cross member in the frame D: Wedge between walls and frames. Q.no 10. In post-tensioning process, steel is pulled before -A: Concrete is poured

B: Load is applied

C: formwork is done

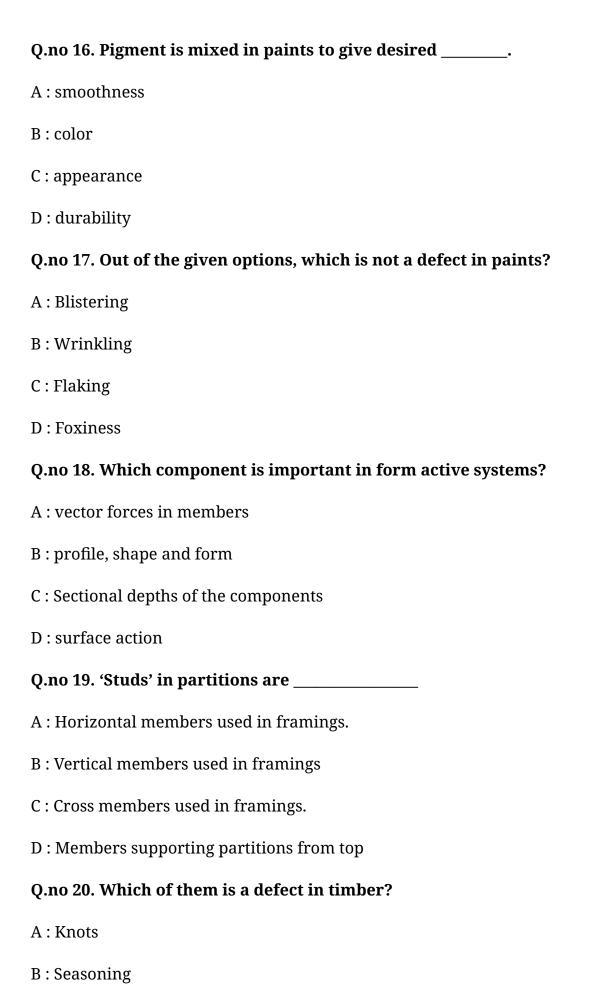
D: casting of column

Q.no 11. What is the function of drier in a varnish?

A : to accelerate process of drying

B: to make the varnish durable

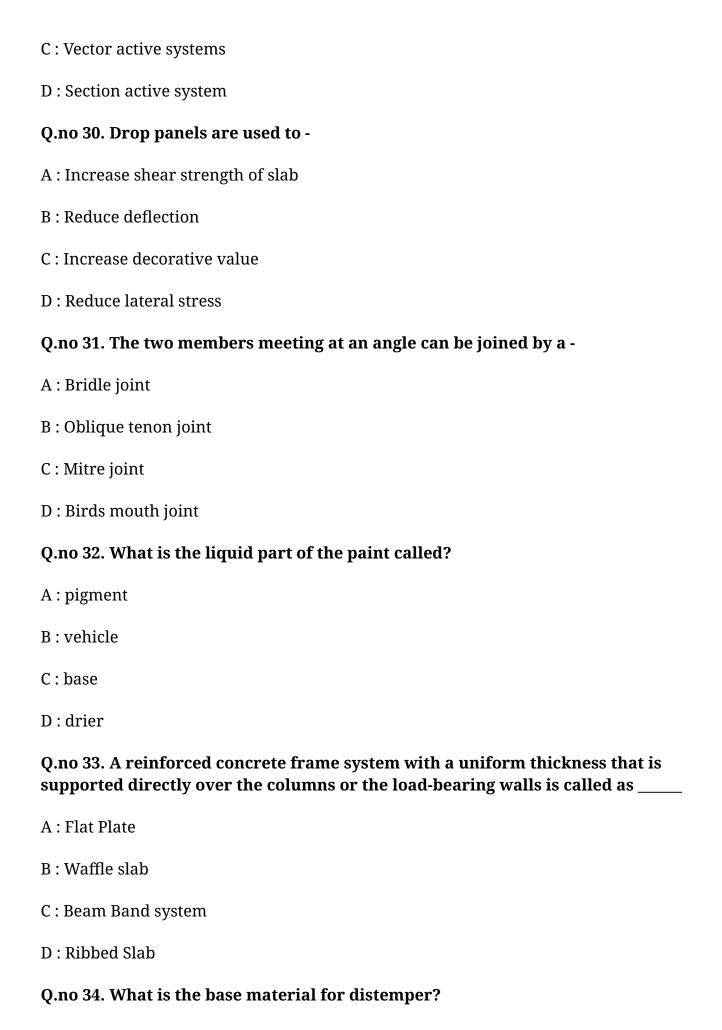
C : to give glossy finish to varnish
D : to impart liquidity to varnish
Q.no 12. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B: Foundation
C: Column
D: Roof
Q.no 13. Which type of varnishes dry slowly, but they form hard and durable surface?
A:Oil
B: Spirit
C: Water
D: Turpentine
Q.no 14. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : tension is appied
D : casting of column
Q.no 15. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as - $$
A : Flat Slab
B : Waffle Slab
C: Flat Plate
D : Post tensioning slab

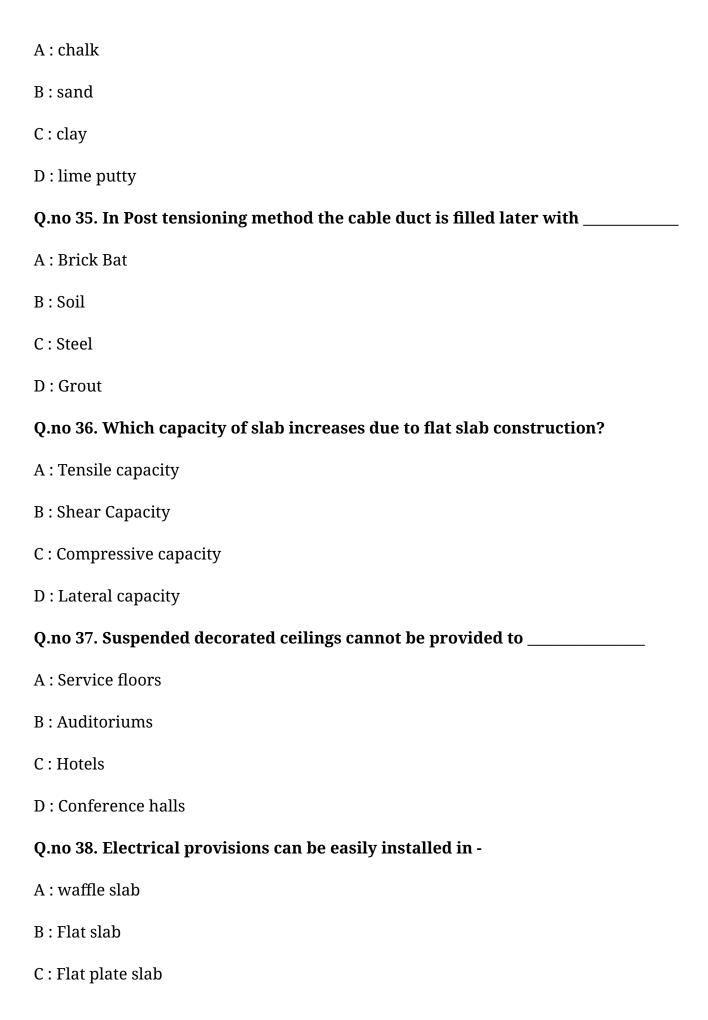


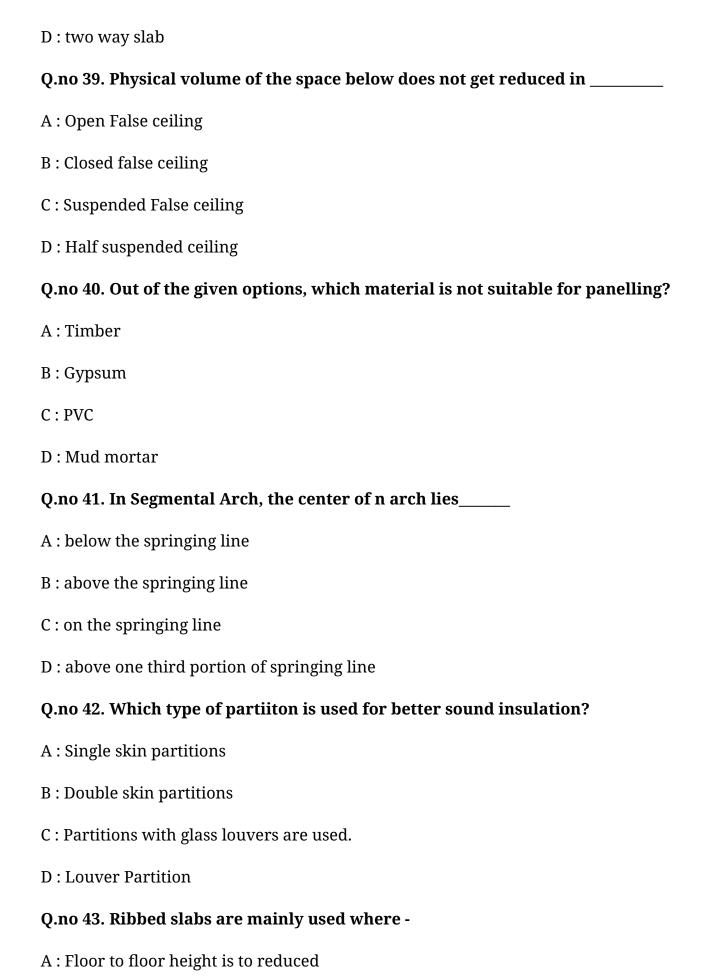
C: Warping
D: tempering
Q.no 21. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B: Waffle slab
C: RCC slab
D : Shear slab
Q.no 22. Flat slabs are mainly used for
A : Long span
B : Medium spans
C : Short spans
D : Cantilever spans
Q.no 23. Which joint is employed to extend the length of a member by joining two pieces of timber $eq:prop:eq:eq:prop:eq:prop:eq:prop:eq:prop:eq:prop:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:eq:$
A: Lapped
B: Angle
C: Lengthening
D: Bearing
Q.no 24. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C: Roof and purlin
D : Girder and Rafter

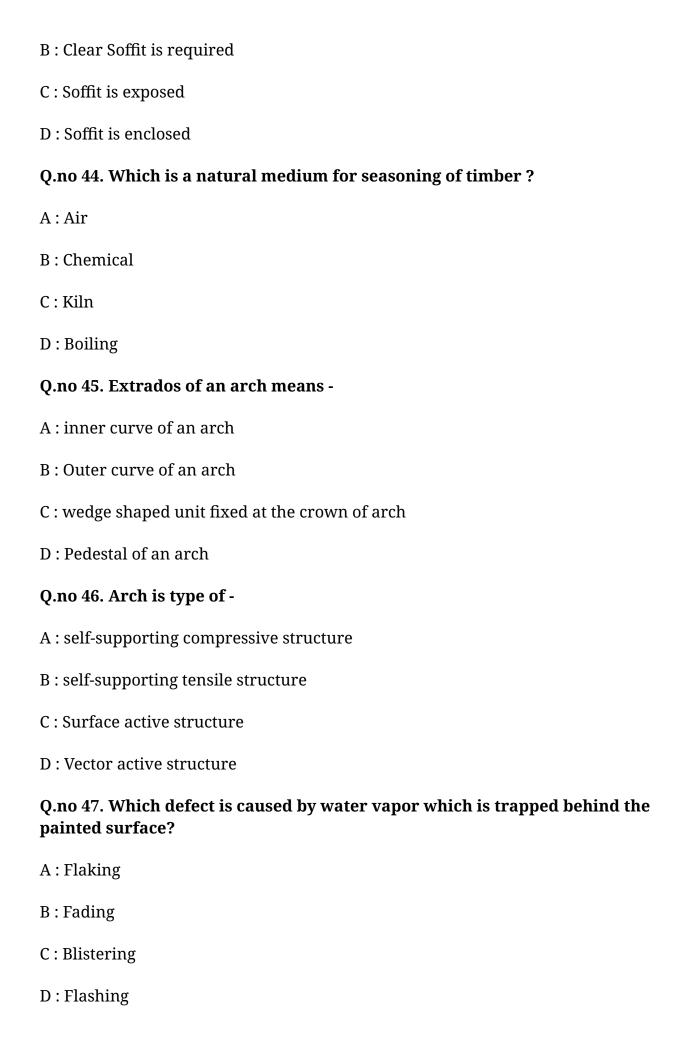
A: Priming coat B: Finishing coat C: End coat D: Under coat Q.no 26. Intrados of an arch means -A: inner curve of an arch B: Outer curve of an arch C: wedge shaped unit fixed at the crown of arch D: Pedestal of an arch Q.no 27. The type of stress carried by column and bearing walls is ______ A: Compressive stress B: Tensile stress C: Lateral stress D: Horizontal Stress Q.no 28. In pre stressed concrete beam, tensile stress is taken care by _____ A: Steel anchor B: Steel tendon C: Steel pipe D: Hollow duct Q.no 29. Folded plate structure is one of type of -A: Form active systems B: Surface active systems

Q.no 25. The first coat of paint applied during the painting process called as -









Q.no 48. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron
Q.no 49. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 50. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite
Q.no 51. What is binding material gets used in Emulsion Paints?
A: Nitro cotton
B: Zinc white
C : White lead
D : Polyvinyl acetate
Q.no 52. Thickening in flat slab at the column is called as
A : Column pedestal

B: Cornice

D : Column Head
Q.no 53. Which liquid medium is used to prepare solution of resin for making varnish?
A: water
B: alcohol
C: naptha
D: acid
Q.no 54. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 55. Pneumatic structures are based on
A: the use of trusses
B : the use of structural frames
C : the use of curvatures
D : the use of air pressure
Q.no 56. What is the liquid medium used in Oil paints?
A:thinner
B: alcohol
C: turpentine
D : linseed oil

C: Drop Panel

Q.no 57. Dynamic Loads are considered for
A : Swimming pools
B: water tanks
C: Bridges
D : Basement structures
Q.no 58. Shell structure is one of the type of
A : Form active system
B : Surface active systems
C: Vector active systems
D : Section active system
Q.no 59. The hanging sections are used in suspended ceiling system are made up of
A: Aluminium
B: Mild steel
C : Galvanised steel
D : Structural steel
Q.no 60. Soft wood Ply is made up from -
A:Oak
B: Beech
C: Cedar
D : Mahogany

Answer for Question No 1. is d
Answer for Question No 2. is a
Answer for Question No 3. is c
Answer for Question No 4. is a
Answer for Question No 5. is d
Answer for Question No 6. is c
Answer for Question No 7. is b
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A	nswer for Question No 16. is b
A	nswer for Question No 17. is d
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A	nswer for Question No 30. is a

Answ	er for Question No 31. is c
Answ	er for Question No 32. is b
Answ	er for Question No 33. is a
Answ	er for Question No 34. is a
Answ	er for Question No 35. is d
Answ	er for Question No 36. is b
Answ	er for Question No 37. is a
Answ	er for Question No 38. is a
Answ	er for Question No 39. is a
Answ	er for Question No 40. is d
Answ	er for Question No 41. is a
Answ	er for Question No 42. is b
Answ	er for Question No 43. is c
Answ	er for Question No 44. is a
Answ	er for Question No 45. is b

Ans	swer for Question No 46. is a
Ans	swer for Question No 47. is c
Ans	swer for Question No 48. is d
Ans	swer for Question No 49. is b
Ans	swer for Question No 50. is c
Ans	swer for Question No 51. is d
Ans	swer for Question No 52. is c
Ans	swer for Question No 53. is b
Ans	swer for Question No 54. is c
Ans	swer for Question No 55. is d
Ans	swer for Question No 56. is d
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is b
Ans	swer for Question No 59. is a
Ans	swer for Question No 60. is c
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

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Q.no 1. Which component is important in section active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional sizes and depths of the components

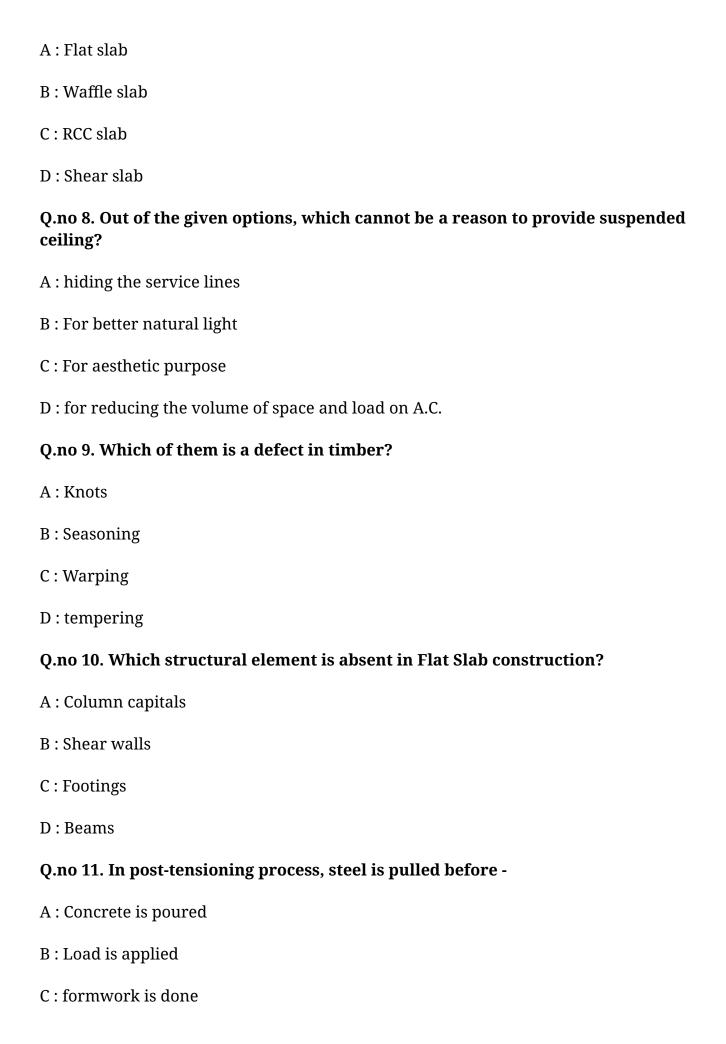
D: surface action

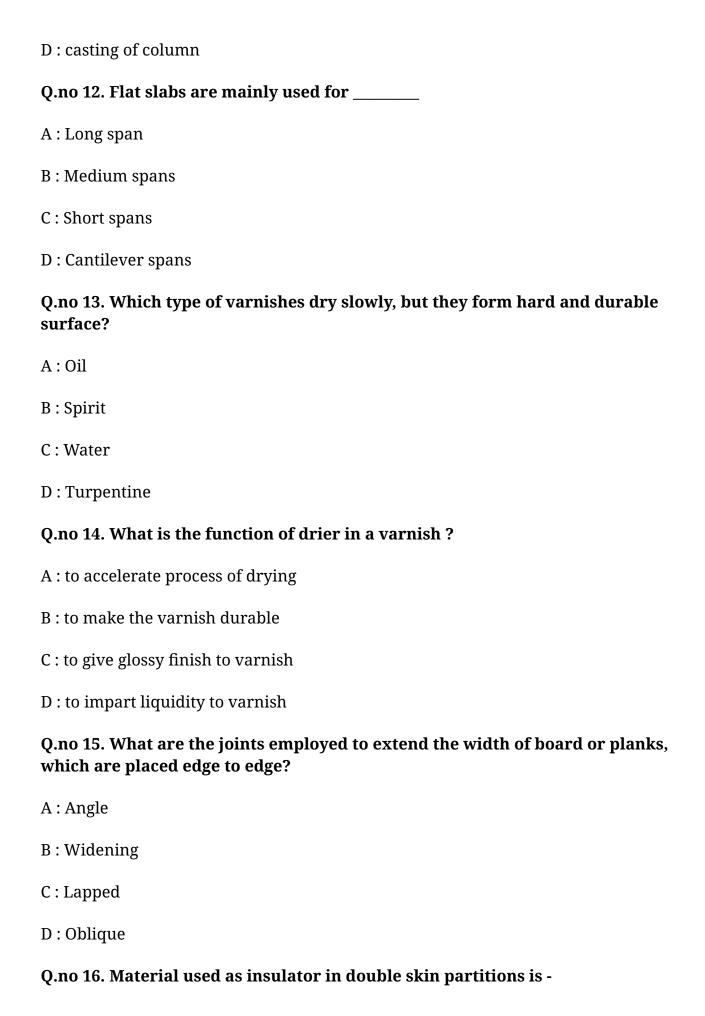
Q.no 2. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed

B: Spliced

C : Mortise and tenon
D : Lapped
Q.no 3. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door
Q.no 4. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : tension is appied
D : casting of column
Q.no 5. Sole member in partitions is a
A : Horizontal member supporting Studs.
B : Horizontal member topping Studs
C : Cross member in the frame
D : Wedge between walls and frames.
Q.no 6. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 7. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as



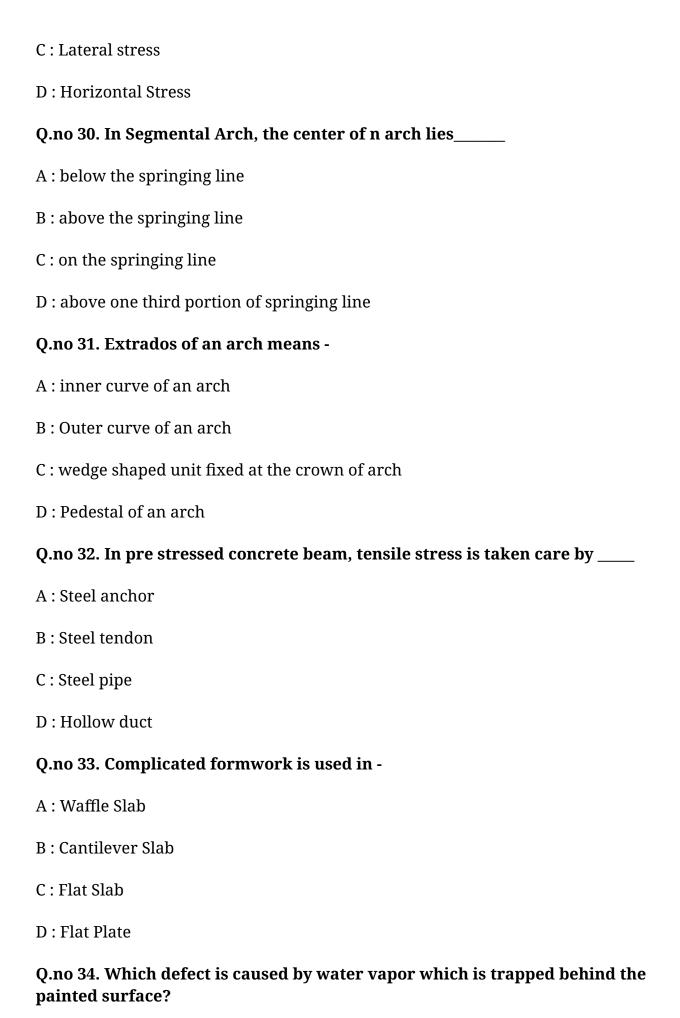


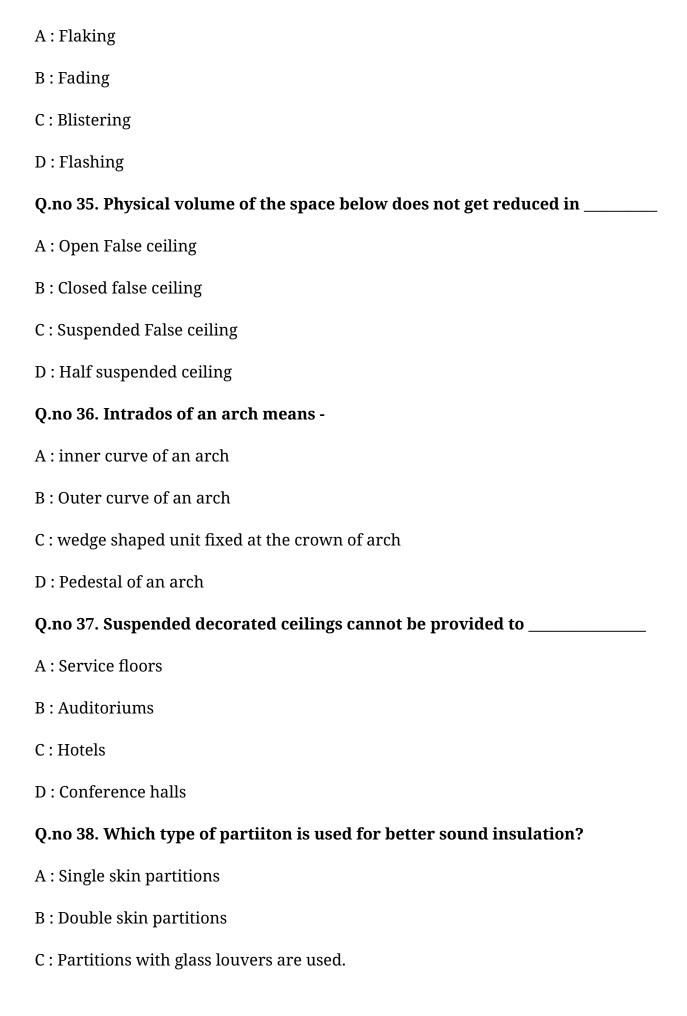
A: Sheep wool B: Glass powder C: Glass wool D: Timber shavings Q.no 17. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -A: Dovetailed joint B: Widening Joint C: Tongued and Grooved Joint D: Angle **Joint** Q.no 18. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 19. Which component is important in vector active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 20. The first coat of paint applied during the painting process called as -A: Priming coat

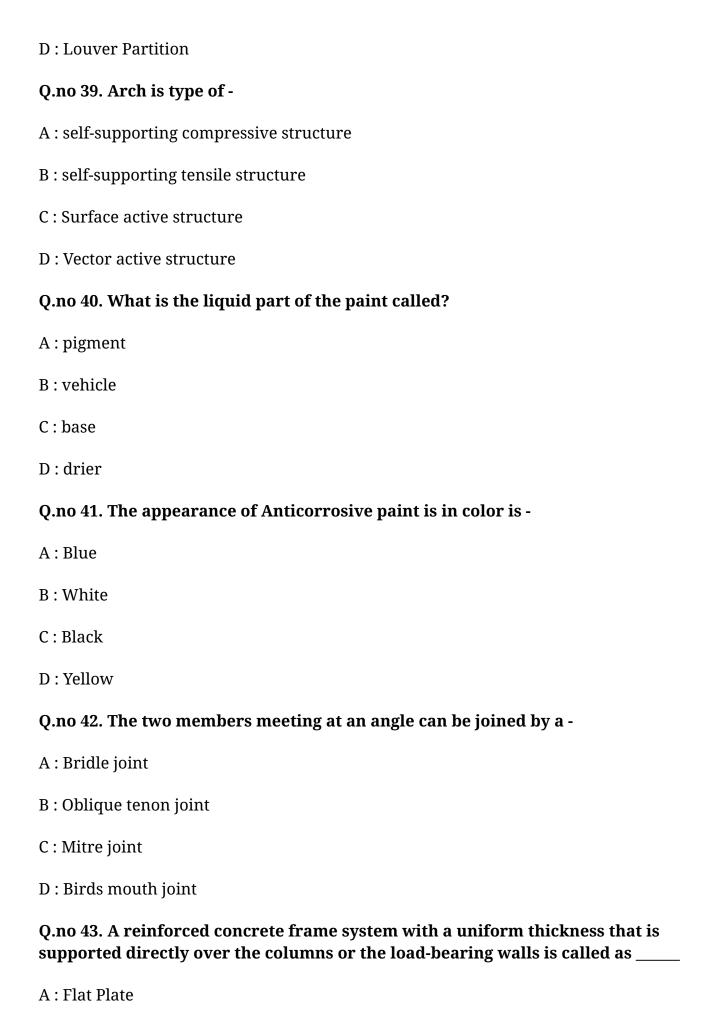
B: Finishing coat

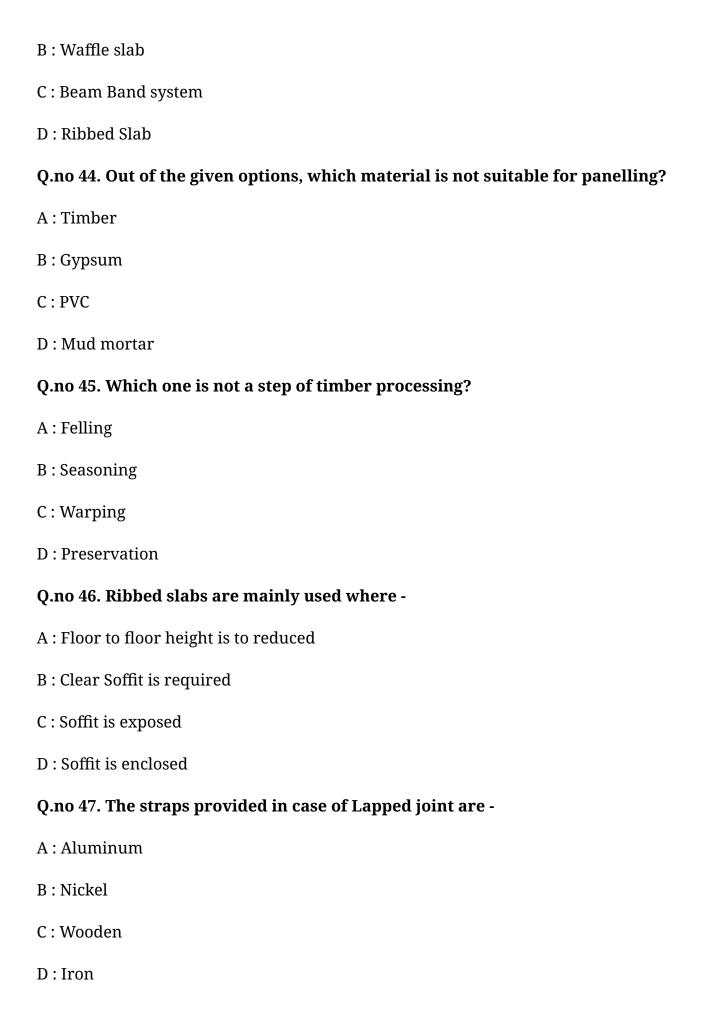
C : End coat
D : Under coat
Q.no 21. Out of the given options, which is not a defect in paints?
A: Blistering
B: Wrinkling
C: Flaking
D : Foxiness
Q.no 22. Saving of weight and material is done in which type of RCC flooring system?
A : Flat Slab
B : Flat Plate slab
C : Ribbed slab
D : Band beam system
Q.no 23. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 24. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B : Foundation
C: Column
D: Roof

Q.no 25. 'Studs' in partitions are
A : Horizontal members used in framings.
B : Vertical members used in framings
C : Cross members used in framings.
D : Members supporting partitions from top
Q.no 26. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 27. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 28. What is the base material for distemper?
A : chalk
B: sand
C: clay
D : lime putty
Q.no 29. The type of stress carried by column and bearing walls is
A : Compressive stress
B: Tensile stress



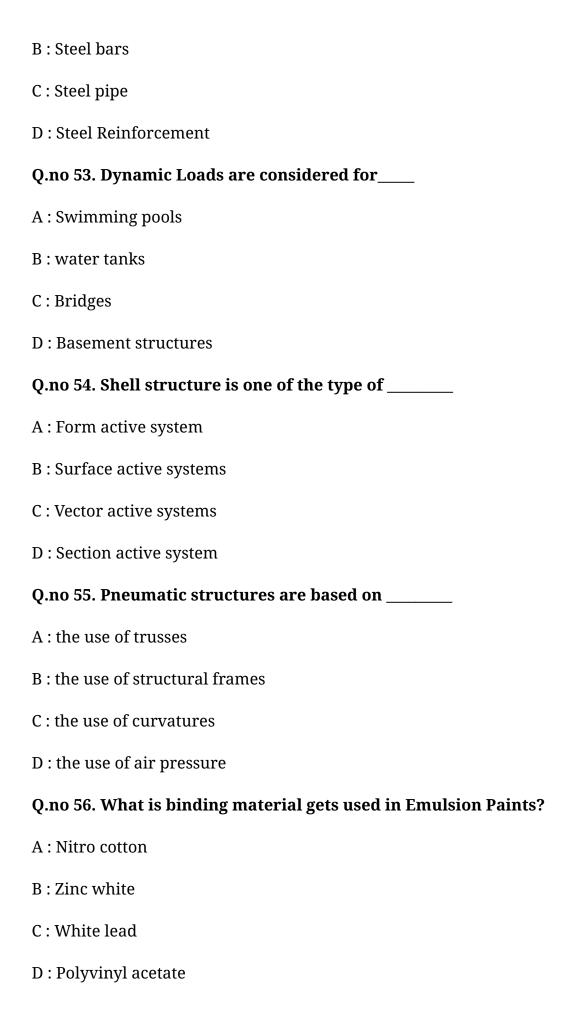






Q.no 48. In Post tensioning method the cable duct is filled later with
A : Brick Bat
B: Soil
C: Steel
D : Grout
Q.no 49. Electrical provisions can be easily installed in -
A : waffle slab
B: Flat slab
C : Flat plate slab
D : two way slab
Q.no 50. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 51. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 52. In post tensioning the member which pulls the cables is known as -

A : Hydraulic Jack



Q.no 57. Which of them do not define as property of hardwood? A: Quick growth B: Contain little resin C: Compact arrangement of grains D: Slow growth Q.no 58. In membrane structures, primarily structural membrane possesses -A: Compression B: tension C: Shear D: lateral stress Q.no 59. The structural design principles of continuous flat slab floors are similar A: One way slab B: Two way slab C: Cantilever slab D: Diagonal slab Q.no 60. Row of arches in continuation is called as _____ A: Curvature B: Façade C: Arcade D: Keystone

Answer for Question No 1. is c
Answer for Question No 2. is d
Answer for Question No 3. is a
Answer for Question No 4. is a
Answer for Question No 5. is a
Answer for Question No 6. is b
Answer for Question No 7. is a
Answer for Question No 8. is b
Answer for Question No 9. is a
Answer for Question No 10. is d
Answer for Question No 11. is b
Answer for Question No 12. is b
Answer for Question No 13. is a
Answer for Question No 14. is a
Answer for Question No 15. is b

An	swer for Question No 16. is c
An	swer for Question No 17. is a
An	swer for Question No 18. is d
An	swer for Question No 19. is a
An	swer for Question No 20. is a
An	swer for Question No 21. is d
An	swer for Question No 22. is c
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An	swer for Question No 28. is a
An	swer for Question No 29. is a
An	swer for Question No 30. is a

Answer for Question No 31. is b	
Answer for Question No 32. is b	
Answer for Question No 33. is a	
Answer for Question No 34. is c	
Answer for Question No 35. is a	
Answer for Question No 36. is a	
Answer for Question No 37. is a	
Answer for Question No 38. is b	
Answer for Question No 39. is a	
Answer for Question No 40. is b	
Answer for Question No 41. is c	
Answer for Question No 42. is c	
Answer for Question No 43. is a	
Answer for Question No 44. is d	
Answer for Question No 45. is c	

An	swer for Question No 46. is c
An	swer for Question No 47. is d
An	swer for Question No 48. is d
An	swer for Question No 49. is a
An	swer for Question No 50. is b
An	swer for Question No 51. is c
An	swer for Question No 52. is a
An	swer for Question No 53. is c
An	swer for Question No 54. is b
An	swer for Question No 55. is d
An	swer for Question No 56. is d
An	swer for Question No 57. is a
An	swer for Question No 58. is b
An	swer for Question No 59. is b
An	swer for Question No 60. is c

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which structural element is absent in Flat Slab construction?

A : Column capitals

B: Shear walls

C: Footings

D: Beams

Q.no 2. In post-tensioning process, steel is pulled before -

A: Concrete is poured

B: Load is applied

C: formwork is done

D: casting of column Q.no 3. Out of the given options, which cannot be a reason to provide suspended ceiling? A: hiding the service lines B: For better natural light C: For aesthetic purpose D: for reducing the volume of space and load on A.C. Q.no 4. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -A: Dovetailed joint B: Widening Joint C: Tongued and Grooved Joint D: Angle **Joint** Q.no 5. The members those transfer load vertically in bulk active system are -A : Column and load bearing walls B: Beam and Slab C: Roof and purlin D: Girder and Rafter Q.no 6. Pigment is mixed in paints to give desired ______. A: smoothness B: color C: appearance

Q.no 7. Which component is important in vector active systems?

D: durability

A: vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 8. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 9. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -
A : Flat Slab
B : Waffle Slab
C: Flat Plate
D : Post tensioning slab
Q.no 10. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?
A : Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 11. 'Studs' in partitions are
A : Horizontal members used in framings.
B : Vertical members used in framings

D : Members supporting partitions from top
Q.no 12. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block
D : Concrete grout
Q.no 13. Sole member in partitions is a
A : Horizontal member supporting Studs.
B : Horizontal member topping Studs
C: Cross member in the frame
D : Wedge between walls and frames.
Q.no 14. Out of the given options, which is not a defect in paints?
A: Blistering
B: Wrinkling
C: Flaking
D : Foxiness
Q.no 15. In Bulk active structures ,members those transmit compressive load vertically are
A : Beam
A : Beam B : Foundation

C: Cross members used in framings.

surface?
A:Oil
B: Spirit
C: Water
D : Turpentine
Q.no 17. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C: RCC slab
D : Shear slab
Q.no 18. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : tension is appied
D : casting of column
Q.no 19. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door
Q.no 20. Which component is important in surface active systems?

A: vector forces in members

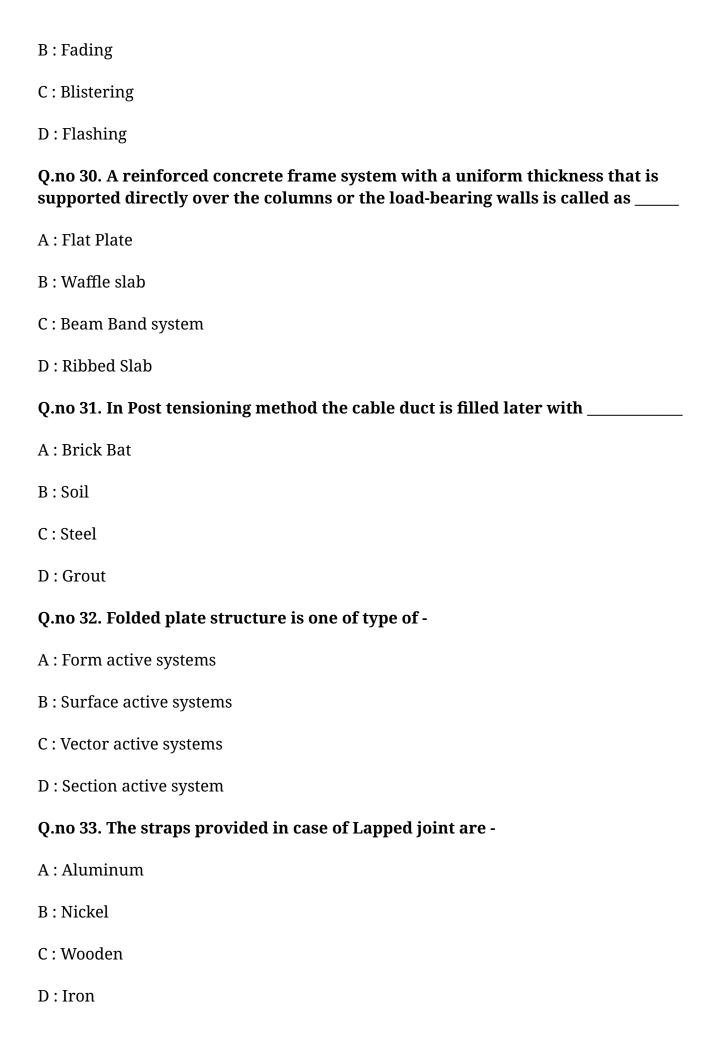
Q.no 16. Which type of varnishes dry slowly, but they form hard and durable

B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 21. What is the function of drier in a varnish? A: to accelerate process of drying B: to make the varnish durable C: to give glossy finish to varnish D: to impart liquidity to varnish Q.no 22. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab D: Band beam system Q.no 23. What are the joints employed to extend the width of board or planks, which are placed edge to edge? A: Angle B: Widening C: Lapped D: Oblique Q.no 24. Which component is important in section active systems? A: vector forces in members

B: profile, shape and form

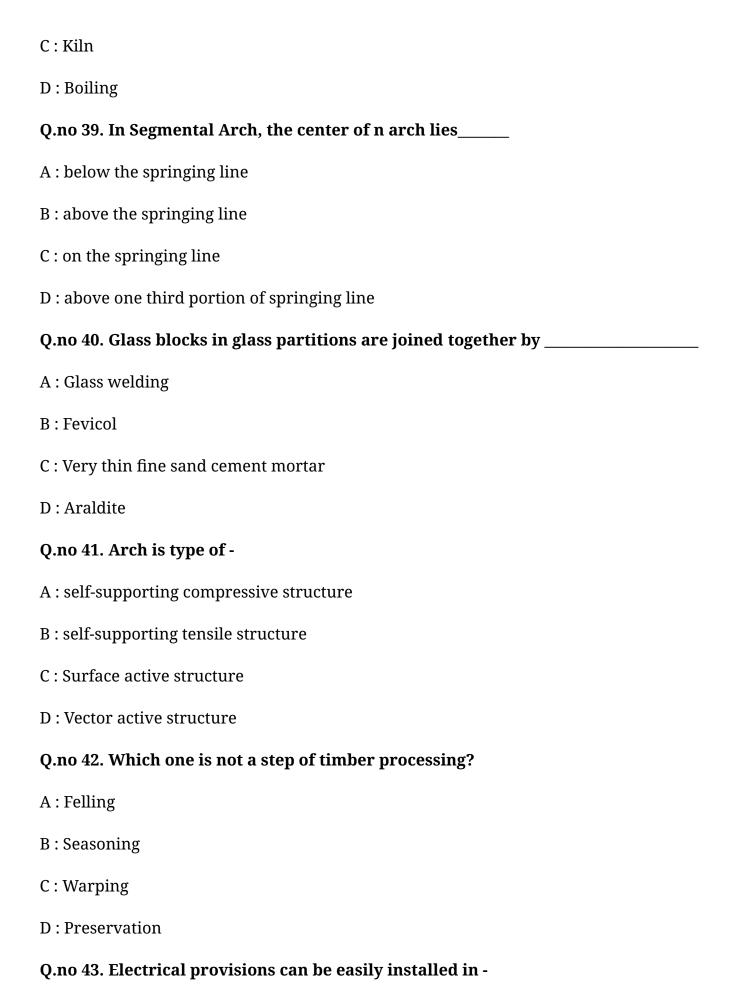
C: Sectional sizes and depths of the components

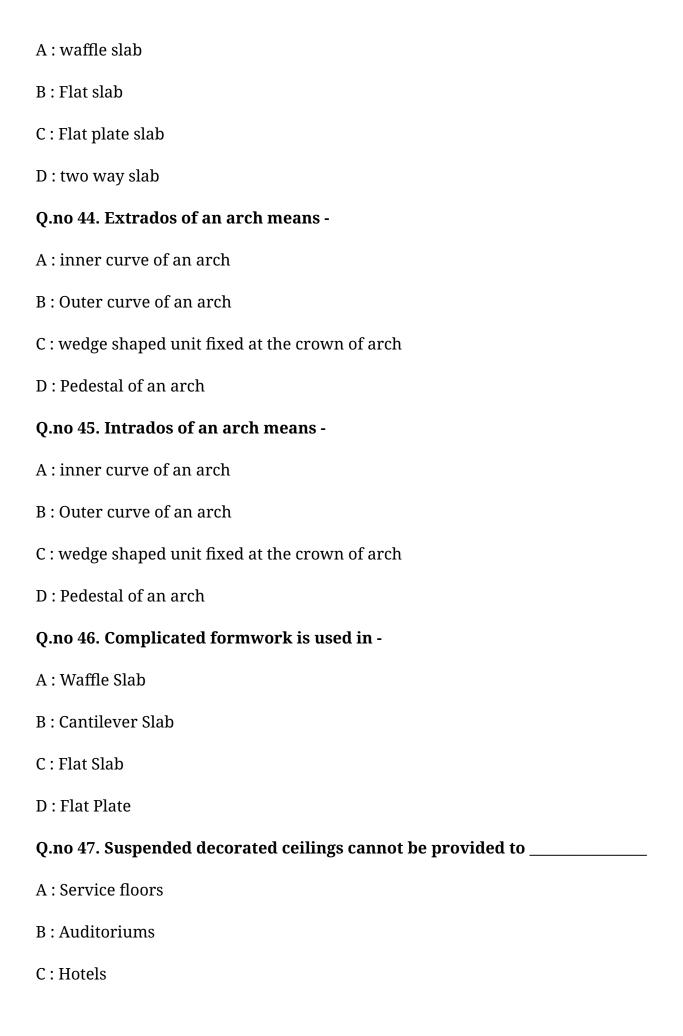
D : surface action
Q.no 25. The first coat of paint applied during the painting process called as -
A : Priming coat
B : Finishing coat
C : End coat
D : Under coat
Q.no 26. Ribbed slabs are mainly used where -
A : Floor to floor height is to reduced
B : Clear Soffit is required
C : Soffit is exposed
D : Soffit is enclosed
Q.no 27. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 28. The appearance of Anticorrosive paint is in color is -
A: Blue
B: White
C: Black
D : Yellow
Q.no 29. Which defect is caused by water vapor which is trapped behind the painted surface?
A : Flaking



Q.no 34. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 35. The two members meeting at an angle can be joined by a -A: Bridle joint B: Oblique tenon joint C: Mitre joint D: Birds mouth joint Q.no 36. Physical volume of the space below does not get reduced in _____ A: Open False ceiling B: Closed false ceiling C: Suspended False ceiling D: Half suspended ceiling Q.no 37. What is the liquid part of the paint called? A: pigment B: vehicle C: base D: drier Q.no 38. Which is a natural medium for seasoning of timber? A: Air

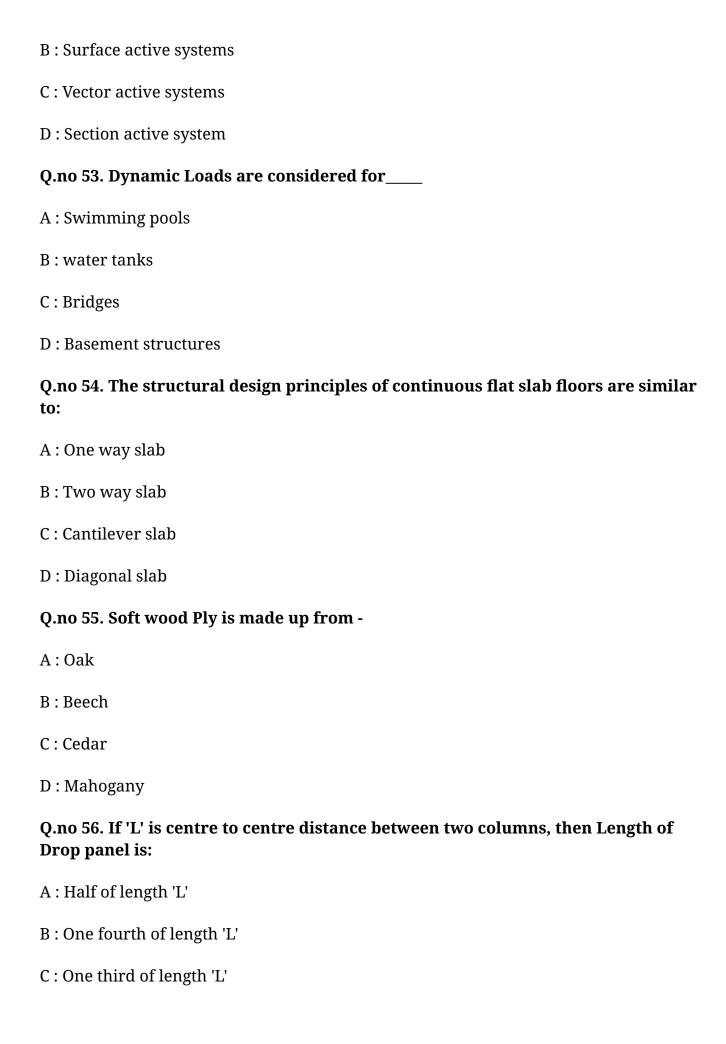
B: Chemical





D : Conference halls
Q.no 48. In pre stressed concrete beam, tensile stress is taken care by
A: Steel anchor
B : Steel tendon
C: Steel pipe
D : Hollow duct
Q.no 49. Which type of partiiton is used for better sound insulation?
A : Single skin partitions
B : Double skin partitions
C : Partitions with glass louvers are used.
D : Louver Partition
Q.no 50. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 51. Which of them do not define as property of hardwood?
A : Quick growth
B : Contain little resin
C : Compact arrangement of grains
D : Slow growth
Q.no 52. Shell structure is one of the type of

A: Form active system



Q.no 57. The hanging sections are used in suspended ceiling system are made up A: Aluminium B: Mild steel C: Galvanised steel D: Structural steel Q.no 58. What is the liquid medium used in Oil paints? A: thinner B: alcohol C: turpentine D: linseed oil Q.no 59. What is binding material gets used in Emulsion Paints? A: Nitro cotton B: Zinc white C: White lead D: Polyvinyl acetate Q.no 60. Which liquid medium is used to prepare solution of resin for making varnish? A: water B: alcohol C: naptha D: acid

D: One Fifth of length 'L'

Answer for Question No 1. is d	
Answer for Question No 2. is b	
Answer for Question No 3. is b	
Answer for Question No 4. is a	
Answer for Question No 5. is a	
Answer for Question No 6. is b	
Answer for Question No 7. is a	
Answer for Question No 8. is b	
Answer for Question No 9. is b	
Answer for Question No 10. is d	
Answer for Question No 11. is b	
Answer for Question No 12. is a	
Answer for Question No 13. is a	
Answer for Question No 14. is d	
Answer for Question No 15. is c	

Ansv	wer for Question No 16. is a
Ansı	wer for Question No 17. is a
Ansı	wer for Question No 18. is a
Ansı	wer for Question No 19. is a
Ansı	wer for Question No 20. is d
Ansı	wer for Question No 21. is a
Ansı	wer for Question No 22. is c
Ansı	wer for Question No 23. is b
Ansı	wer for Question No 24. is c
Ansı	wer for Question No 25. is a
Ansı	wer for Question No 26. is c
Ansı	wer for Question No 27. is b
Ansı	wer for Question No 28. is c
Ansı	wer for Question No 29. is c
Ansı	wer for Question No 30. is a

Answer for Question No 31. is d
Answer for Question No 32. is b
Answer for Question No 33. is d
Answer for Question No 34. is c
Answer for Question No 35. is c
Answer for Question No 36. is a
Answer for Question No 37. is b
Answer for Question No 38. is a
Answer for Question No 39. is a
Answer for Question No 40. is c
Answer for Question No 41. is a
Answer for Question No 42. is c
Answer for Question No 43. is a
Answer for Question No 44. is b
Answer for Question No 45. is a

An	swer for Question No 46. is a
An	swer for Question No 47. is a
An	swer for Question No 48. is b
An	swer for Question No 49. is b
An	swer for Question No 50. is b
An	swer for Question No 51. is a
An	swer for Question No 52. is b
An	swer for Question No 53. is c
An	swer for Question No 54. is b
An	swer for Question No 55. is c
An	swer for Question No 56. is c
An	swer for Question No 57. is a
An	swer for Question No 58. is d
An	swer for Question No 59. is d
An	swer for Question No 60. is b

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
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- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which joint is employed to extend the length of a member by joining two pieces of timber ?

A: Lapped

B: Angle

C: Lengthening

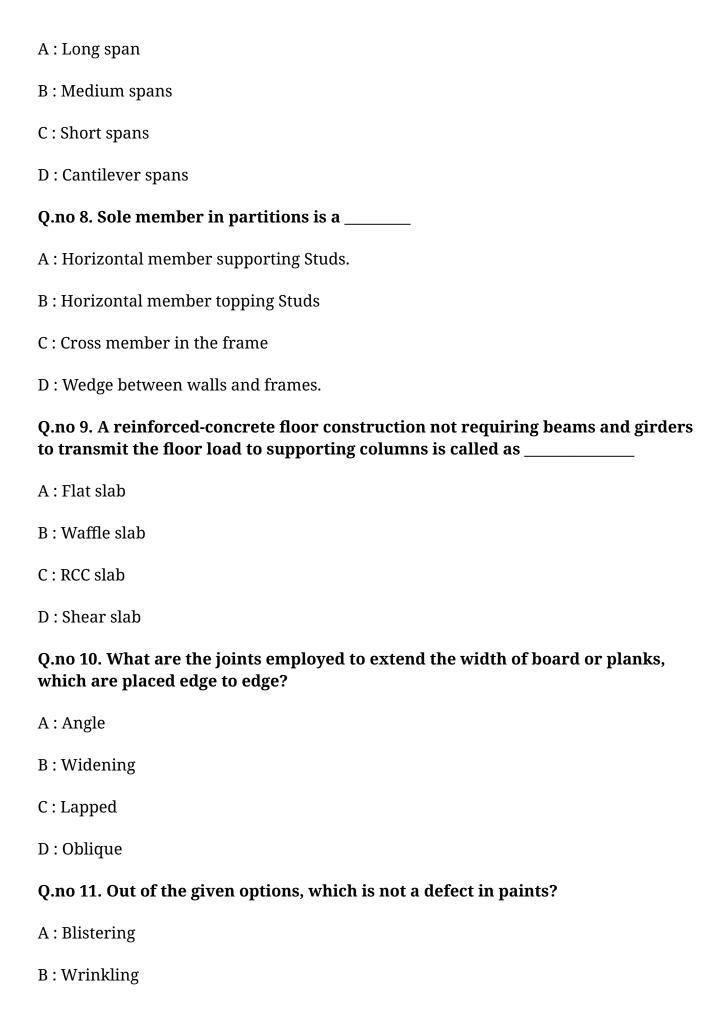
D : Bearing

Q.no 2. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -

A: Flat Slab

B: Waffle Slab

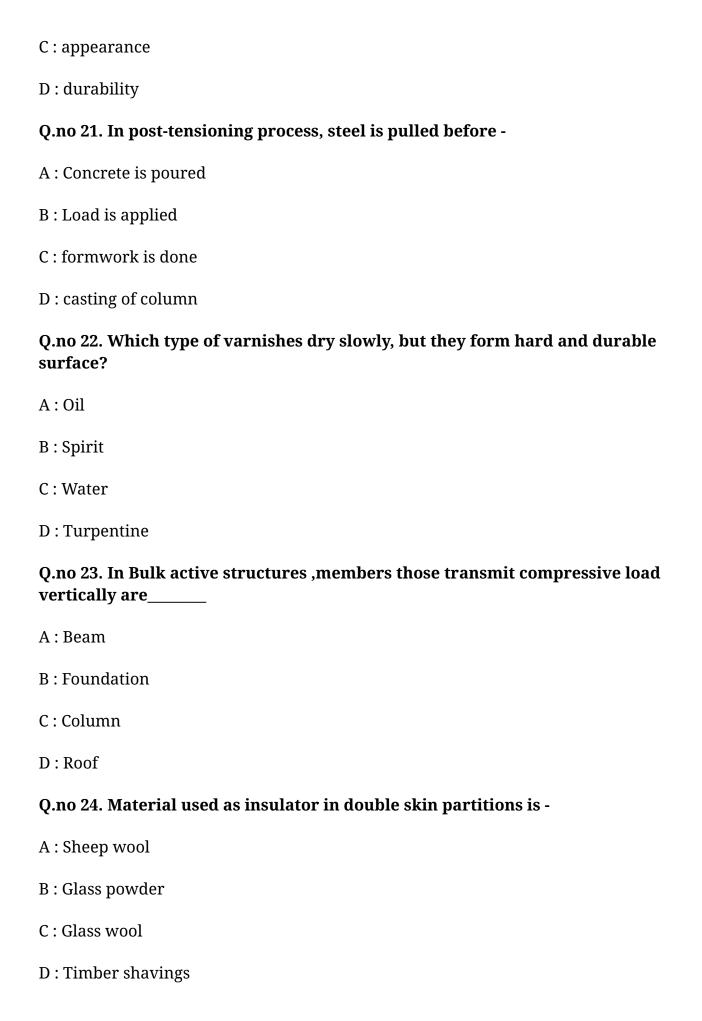
C : Flat Plate
D : Post tensioning slab
Q.no 3. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 4. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door
Q.no 5. Which of them is a defect in timber?
A: Knots
B: Seasoning
C: Warping
D: tempering
Q.no 6. Which component is important in section active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
O.no 7. Flat slabs are mainly used for



C: Flaking
D : Foxiness
Q.no 12. Which component is important in surface active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 13. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?
A: Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 14. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 15. Saving of weight and material is done in which type of RCC flooring system?
A : Flat Slab
B : Flat Plate slab
C : Ribbed slab
D : Band beam system

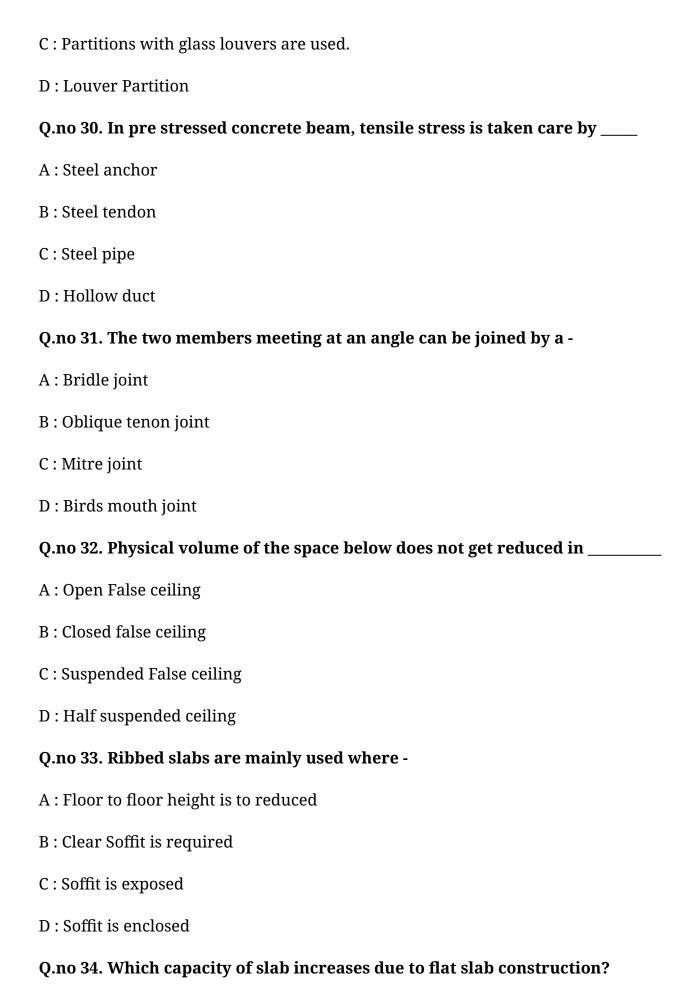
Q.no 16. Out of the given options, which cannot be a reason to provide suspended ceiling?

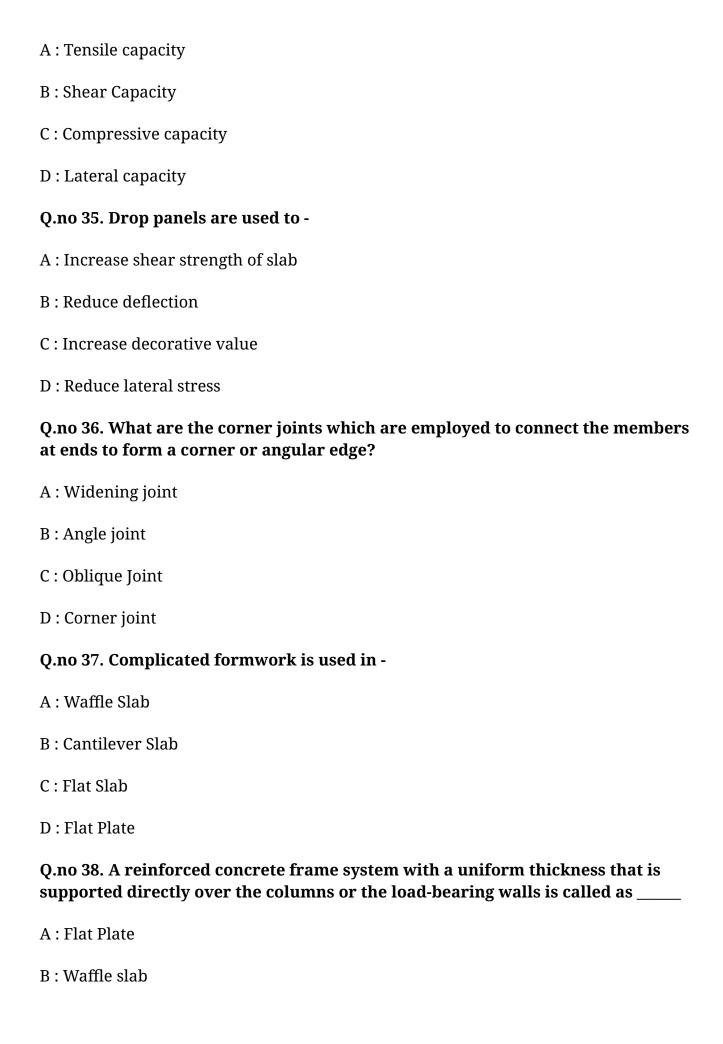
A : hiding the service lines
B : For better natural light
C : For aesthetic purpose
D : for reducing the volume of space and load on A.C.
Q.no 17. 'Studs' in partitions are
A : Horizontal members used in framings.
B : Vertical members used in framings
C : Cross members used in framings.
D : Members supporting partitions from top
Q.no 18. Which component is important in vector active systems?
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C : Sectional depths of the components
D : surface action
Q.no 19. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C: tension is appied
D : casting of column
Q.no 20. Pigment is mixed in paints to give desired
A: smoothness
B: color

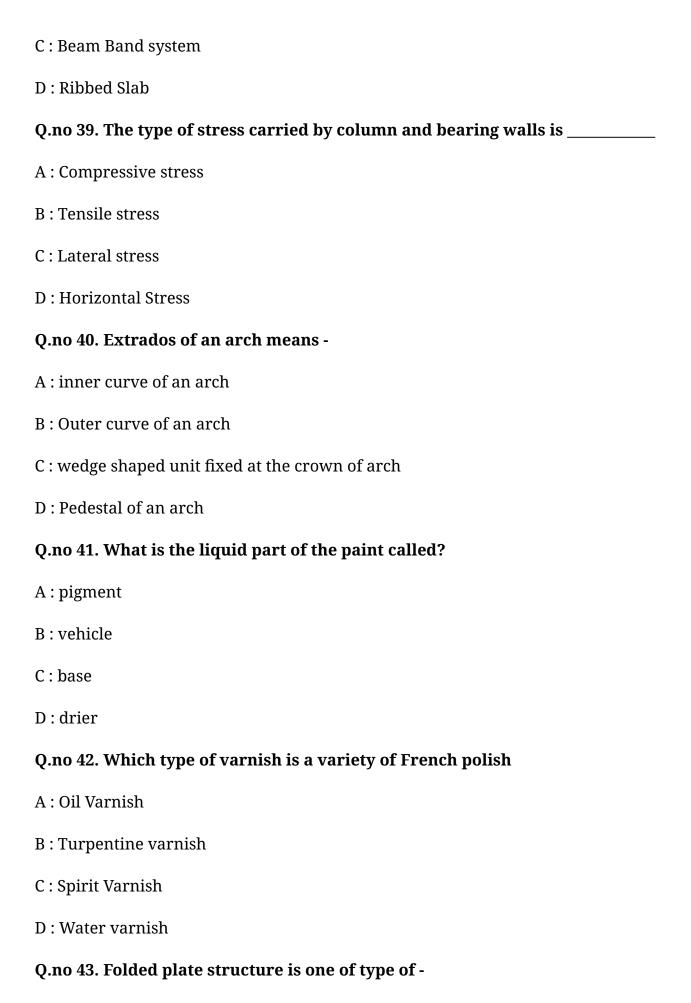


A: Column capitals B: Shear walls C: Footings D: Beams Q.no 26. In Segmental Arch, the center of n arch lies_____ A: below the springing line B: above the springing line C: on the springing line D: above one third portion of springing line Q.no 27. Arch is type of -A: self-supporting compressive structure B: self-supporting tensile structure C: Surface active structure D: Vector active structure Q.no 28. In Post tensioning method the cable duct is filled later with ______ A: Brick Bat B: Soil C: Steel D: Grout Q.no 29. Which type of partiiton is used for better sound insulation? A: Single skin partitions B: Double skin partitions

Q.no 25. Which structural element is absent in Flat Slab construction?





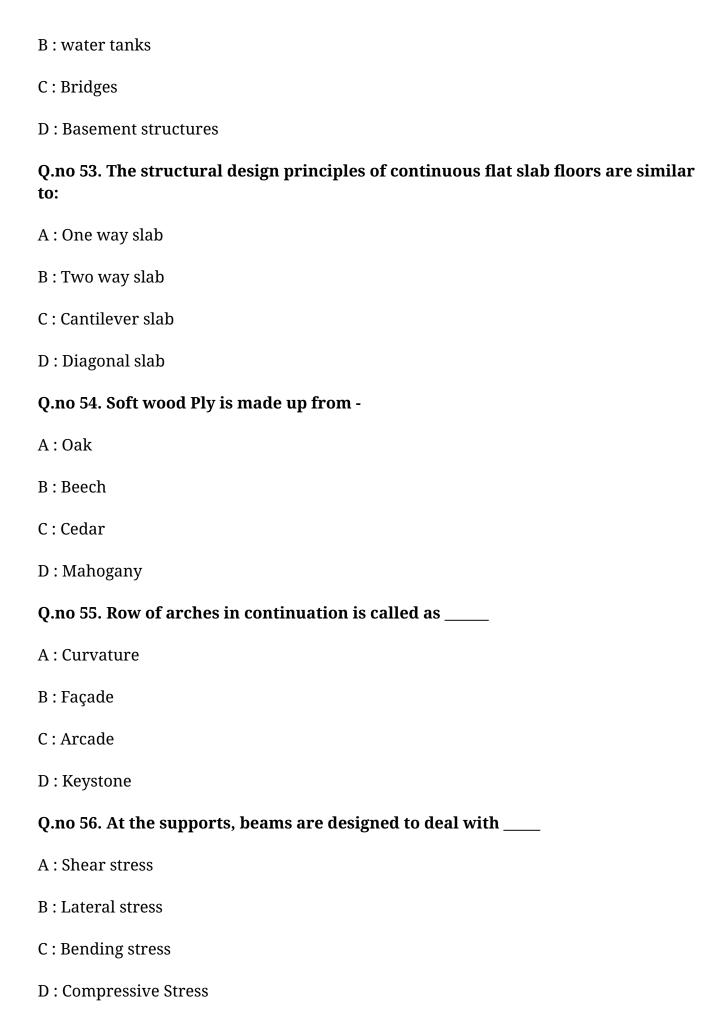


B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 44. Which one is not a step of timber processing?
A: Felling
B: Seasoning
C: Warping
D : Preservation
Q.no 45. The appearance of Anticorrosive paint is in color is -
A:Blue
B: White
C: Black
D: Yellow
Q.no 46. Intrados of an arch means -
A : inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 47. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar

A: Form active systems

Q.no 48. What is the base material for distemper?
A: chalk
B: sand
C: clay
D : lime putty
Q.no 49. Out of the given options, which material is not suitable for panelling?
A: Timber
B: Gypsum
C: PVC
D : Mud mortar
Q.no 50. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron
Q.no 51. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 52. Dynamic Loads are considered for
A: Swimming pools

D : Araldite



Q.no 57. 3D trusses are also called as
A: Flat trusses
B: Curved
C: Prismatic
D : Space
Q.no 58. Which of them do not define as property of hardwood?
A : Quick growth
B : Contain little resin
C : Compact arrangement of grains
D : Slow growth
Q.no 59. Pneumatic structures are based on
A: the use of trusses
A : the use of trusses
A : the use of trusses B : the use of structural frames
A: the use of trusses B: the use of structural frames C: the use of curvatures
A: the use of trusses B: the use of structural frames C: the use of curvatures D: the use of air pressure
A: the use of trusses B: the use of structural frames C: the use of curvatures D: the use of air pressure Q.no 60. What is binding material gets used in Emulsion Paints?
A: the use of trusses B: the use of structural frames C: the use of curvatures D: the use of air pressure Q.no 60. What is binding material gets used in Emulsion Paints? A: Nitro cotton

Answer for Question No 1. is c
Answer for Question No 2. is b
Answer for Question No 3. is b
Answer for Question No 4. is a
Answer for Question No 5. is a
Answer for Question No 6. is c
Answer for Question No 7. is b
Answer for Question No 8. is a
Answer for Question No 9. is a
Answer for Question No 10. is b
Answer for Question No 11. is d
Answer for Question No 12. is d
Answer for Question No 13. is d
Answer for Question No 14. is a
Answer for Question No 15. is c

Ans	wer for Question No 16. is b
Ans	wer for Question No 17. is b
Ans	wer for Question No 18. is a
Ans	wer for Question No 19. is a
Ans	wer for Question No 20. is b
Ans	wer for Question No 21. is b
Ans	wer for Question No 22. is a
Ans	wer for Question No 23. is c
Ans	wer for Question No 24. is c
Ans	wer for Question No 25. is d
Ans	wer for Question No 26. is a
Ans	wer for Question No 27. is a
Ans	wer for Question No 28. is d
Ans	wer for Question No 29. is b
Ans	wer for Question No 30. is b

Answer for Question No 31. is c	
Answer for Question No 32. is a	
Answer for Question No 33. is c	
Answer for Question No 34. is b	
Answer for Question No 35. is a	
Answer for Question No 36. is b	
Answer for Question No 37. is a	
Answer for Question No 38. is a	
Answer for Question No 39. is a	
Answer for Question No 40. is b	
Answer for Question No 41. is b	
Answer for Question No 42. is c	
Answer for Question No 43. is b	
Answer for Question No 44. is c	
Answer for Question No 45. is c	

Ans	swer for Question No 46. is a
Ans	swer for Question No 47. is c
An	swer for Question No 48. is a
Ans	swer for Question No 49. is d
Ans	swer for Question No 50. is d
Ans	swer for Question No 51. is c
Ans	swer for Question No 52. is c
Ans	swer for Question No 53. is b
Ans	swer for Question No 54. is c
Ans	swer for Question No 55. is c
Ans	swer for Question No 56. is a
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is a
Ans	swer for Question No 59. is d
Ans	swer for Question No 60. is d
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which component is important in vector active systems?

A: vector forces in members

B: profile, shape and form

C : Sectional depths of the components

D: surface action

Q.no 2. Sole member in partitions is a _____

A : Horizontal member supporting Studs.

B: Horizontal member topping Studs

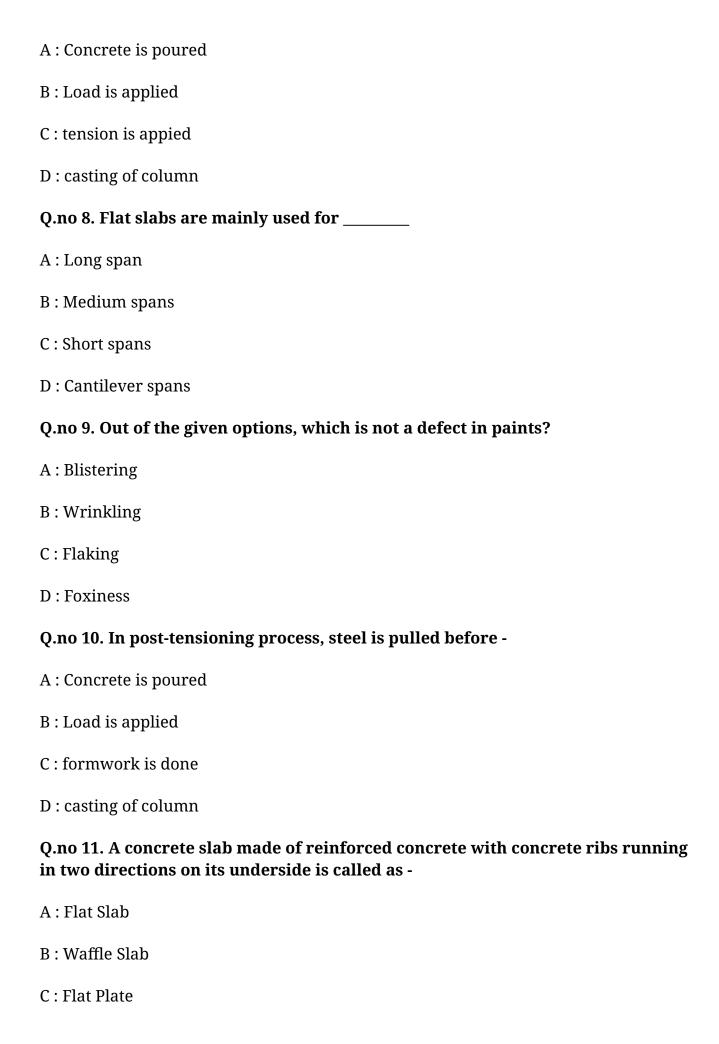
C: Cross member in the frame

D: Wedge between walls and frames.

Q.no 3. Which type of varnishes dry slowly, but they form hard and durable surface?

surface?
A:Oil
B: Spirit
C: Water
D: Turpentine
Q.no 4. Material used as insulator in double skin partitions is -
A : Sheep wool
B : Glass powder
C : Glass wool
D : Timber shavings
Q.no 5. Which joint is employed to extend the length of a member by joining two pieces of timber ?
A: Lapped
B: Angle
C: Lengthening
D : Bearing
Q.no 6. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A: Angle
B: Widening
C: Lapped
D : Oblique

Q.no 7. In pre-tensioned concrete, steel is pulled before -



D: Post tensioning slab

Q.no 12. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -

series of tails cut into the cha of another board is canca as-
A : Dovetailed joint
B : Widening Joint
C : Tongued and Grooved Joint
D : Angle Joint
Q.no 13. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 14. Which component is important in surface active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 15. Pigment is mixed in paints to give desired
A: smoothness
B:color
C: appearance
D : durability

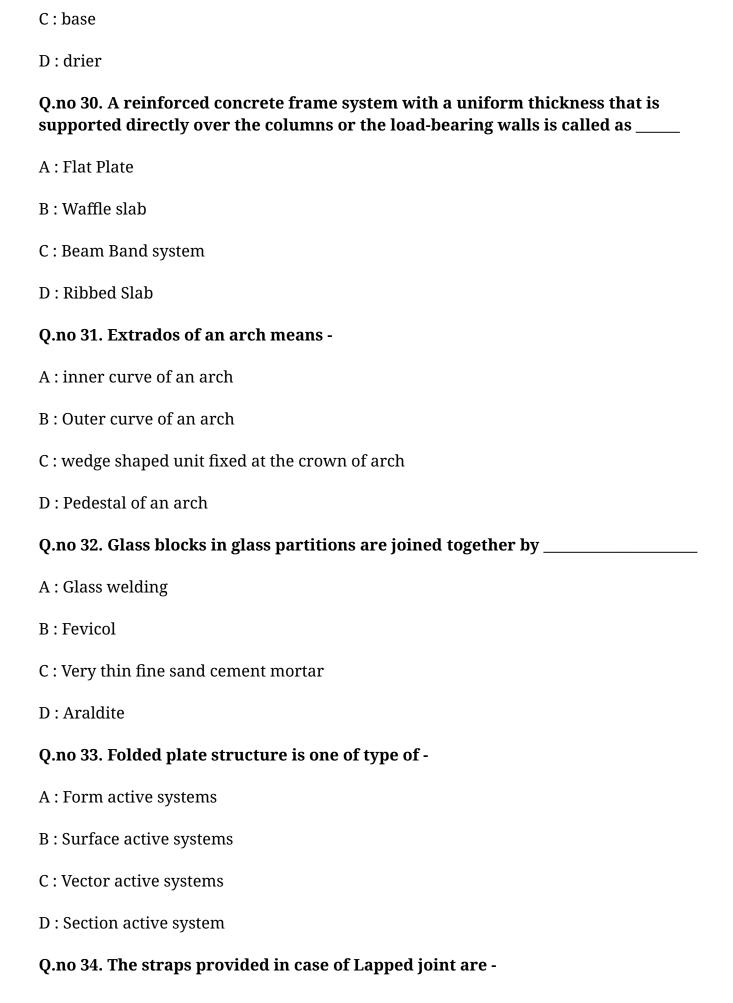
Q.no 16. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means

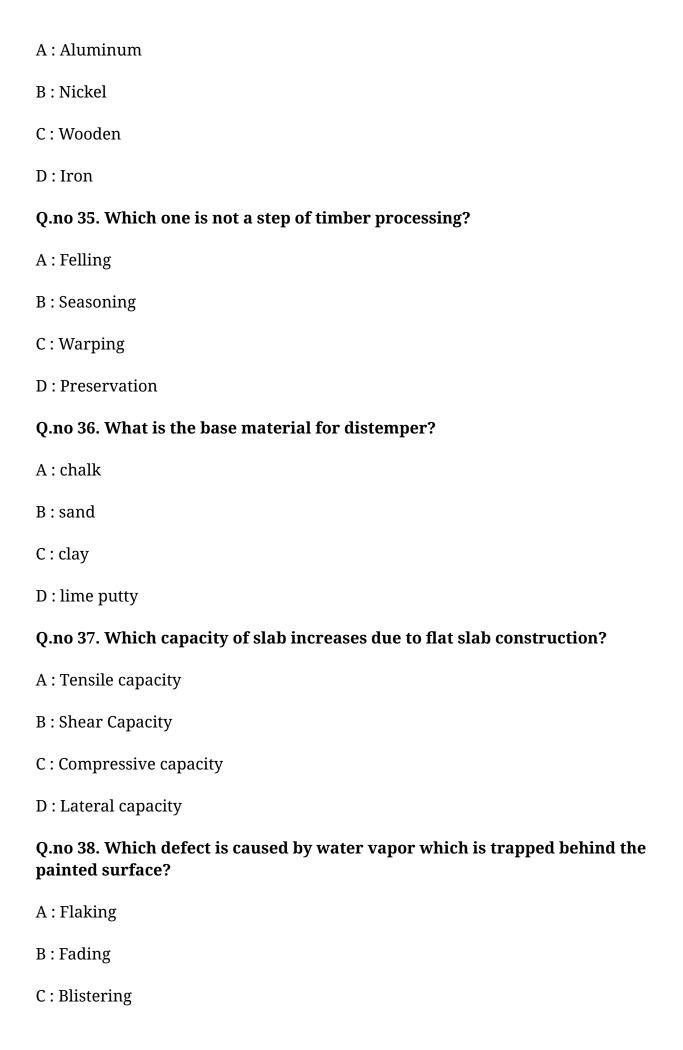
of iron straps or Stirrups?
A: Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 17. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C: RCC slab
D : Shear slab
Q.no 18. Suspended ceilings are
A : Suspended from top
B : Suspended from corner
C : Suspended from below
D : suspended from door
Q.no 19. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 20. Saving of weight and material is done in which type of RCC flooring system?

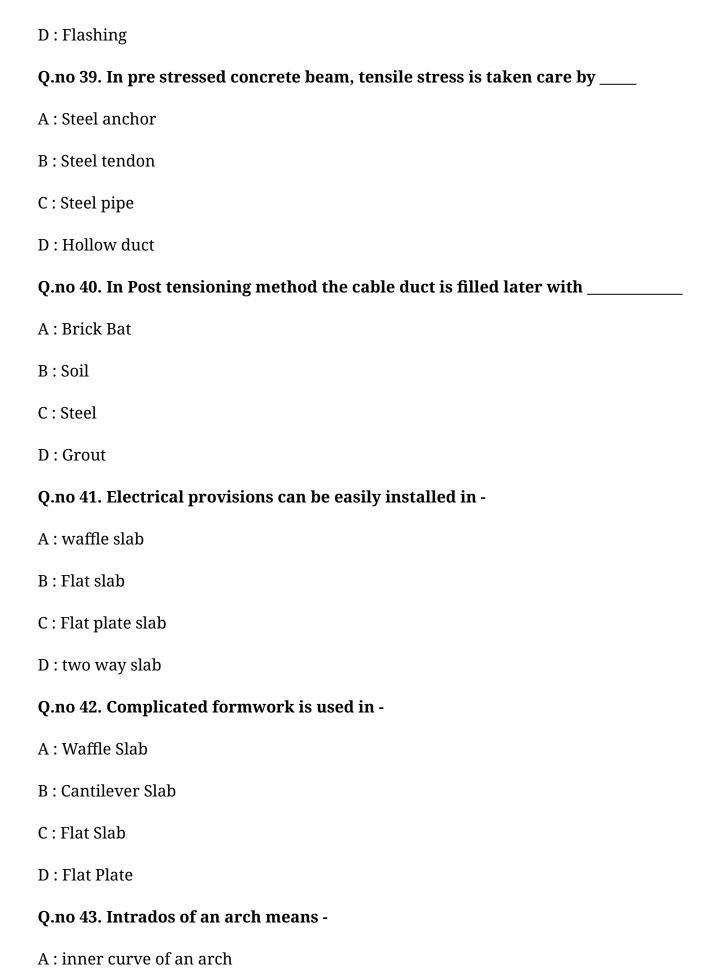
A: Flat Slab

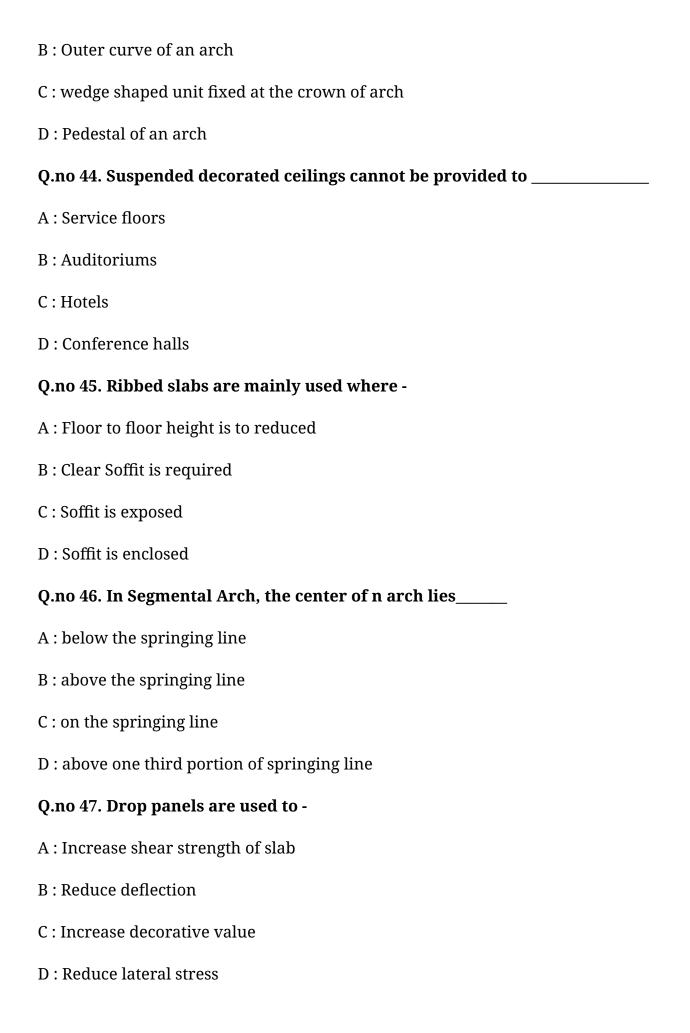
B : Flat Plate slab
C : Ribbed slab
D : Band beam system
Q.no 21. What is the function of drier in a varnish?
A : to accelerate process of drying
B : to make the varnish durable
C : to give glossy finish to varnish
D : to impart liquidity to varnish
Q.no 22. Which structural element is absent in Flat Slab construction?
A : Column capitals
B : Shear walls
C: Footings
D : Beams
Q.no 23. The first coat of paint applied during the painting process called as -
A : Priming coat
B : Finishing coat
C : End coat
D : Under coat
Q.no 24. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block

Q.no 25. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 26. The two members meeting at an angle can be joined by a -A: Bridle joint B: Oblique tenon joint C: Mitre joint D: Birds mouth joint Q.no 27. Physical volume of the space below does not get reduced in A: Open False ceiling B: Closed false ceiling C: Suspended False ceiling D: Half suspended ceiling Q.no 28. Which type of partiiton is used for better sound insulation? A: Single skin partitions B: Double skin partitions C: Partitions with glass louvers are used. D: Louver Partition Q.no 29. What is the liquid part of the paint called? A: pigment B: vehicle

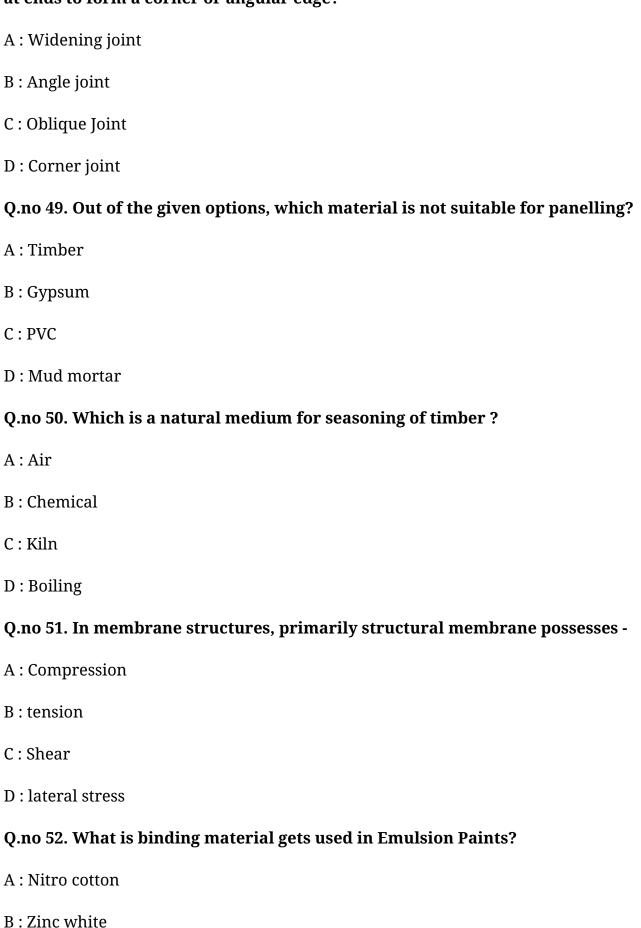


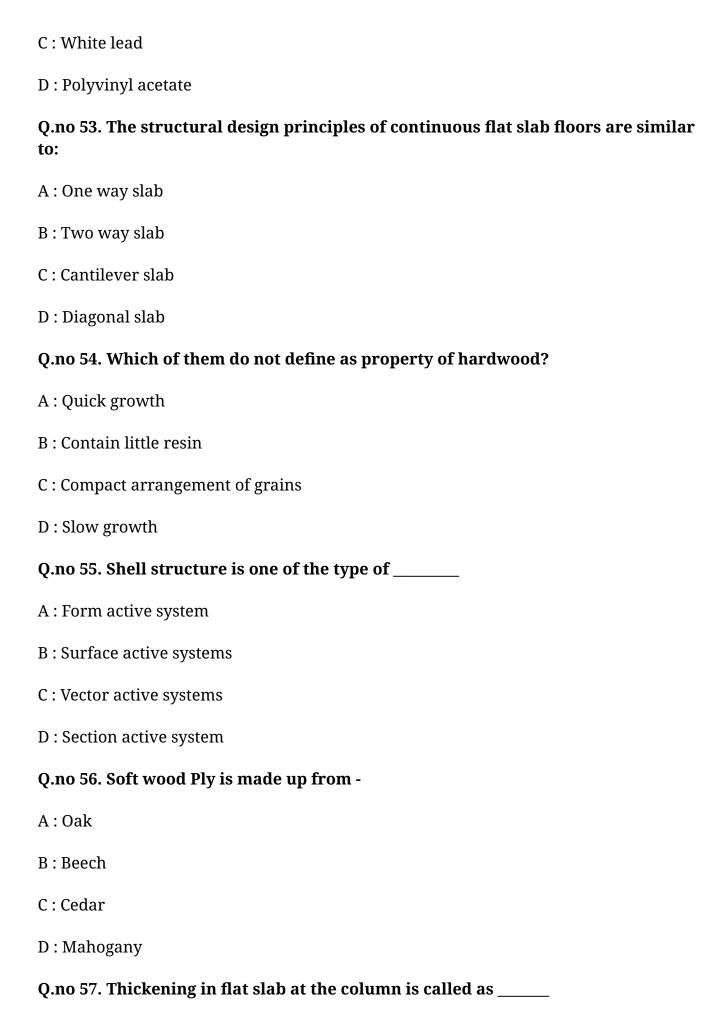






Q.no 48. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?





A : Column pedestal
B: Cornice
C: Drop Panel
D : Column Head
Q.no 58. Dynamic Loads are considered for
A : Swimming pools
B: water tanks
C: Bridges
D : Basement structures
Q.no 59. The hanging sections are used in suspended ceiling system are made up
of
of A: Aluminium
A : Aluminium
A : Aluminium B : Mild steel
A : Aluminium B : Mild steel C : Galvanised steel
A : Aluminium B : Mild steel C : Galvanised steel D : Structural steel
A : Aluminium B : Mild steel C : Galvanised steel D : Structural steel Q.no 60. Row of arches in continuation is called as
A : Aluminium B : Mild steel C : Galvanised steel D : Structural steel Q.no 60. Row of arches in continuation is called as A : Curvature

Answer for Question No 1. is a
Answer for Question No 2. is a
Answer for Question No 3. is a
Answer for Question No 4. is c
Answer for Question No 5. is c
Answer for Question No 6. is b
Answer for Question No 7. is a
Answer for Question No 8. is b
Answer for Question No 9. is d
Answer for Question No 10. is b
Answer for Question No 11. is b
Answer for Question No 12. is a
Answer for Question No 13. is a
Answer for Question No 14. is d
Answer for Question No 15. is b

Answer for Question No 16.	. is d
Answer for Question No 17.	. is a
Answer for Question No 18.	. is a
Answer for Question No 19.	. is b
Answer for Question No 20.	. is c
Answer for Question No 21.	. is a
Answer for Question No 22.	. is d
Answer for Question No 23.	. is a
Answer for Question No 24.	. is a
Answer for Question No 25.	. is c
Answer for Question No 26.	. is c
Answer for Question No 27.	. is a
Answer for Question No 28.	. is b
Answer for Question No 29.	. is b
Answer for Question No 30.	. is a

Answer for Question No 31. is b	
Answer for Question No 32. is c	
Answer for Question No 33. is b	
Answer for Question No 34. is d	
Answer for Question No 35. is c	
Answer for Question No 36. is a	
Answer for Question No 37. is b	
Answer for Question No 38. is c	
Answer for Question No 39. is b	
Answer for Question No 40. is d	
Answer for Question No 41. is a	
Answer for Question No 42. is a	
Answer for Question No 43. is a	
Answer for Question No 44. is a	
Answer for Question No 45. is c	

Ans	wer for Question No 46. is a
Ans	wer for Question No 47. is a
Ans	wer for Question No 48. is b
Ans	wer for Question No 49. is d
Ans	wer for Question No 50. is a
Ans	wer for Question No 51. is b
Ans	wer for Question No 52. is d
Ans	wer for Question No 53. is b
Ans	wer for Question No 54. is a
Ans	wer for Question No 55. is b
Ans	wer for Question No 56. is c
Ans	wer for Question No 57. is c
Ans	wer for Question No 58. is c
Ans	wer for Question No 59. is a
Ans	wer for Question No 60. is c
,	

C: appearance

10034_BUILDING TECHNOLOGY AND MATERIALS V	
Time: 1hr	Marilan . 50
N.B	Max Marks : 50
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2) Attempt any 50 questions out of 60.	
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10) Darken ONLY ONE CIRCLE for each answer.	
Q.no 1. Which structural element is absent in Flat Slab construction?	
A : Column capitals	
B : Shear walls	
C : Footings	
D : Beams	
Q.no 2. Pigment is mixed in paints to give desired	
A: smoothness	
B:color	

D: durability

Q.no 3. Out of the given options, which cannot be a reason to provide suspended ceiling?

ceiling?

A: hiding the service lines

B: For better natural light

C: For aesthetic purpose

D: for reducing the volume of space and load on A.C.

Q.no 4. Saving of weight and material is done in which type of RCC flooring system?

A: Flat Slab

B: Flat Plate slab

C: Ribbed slab

D: Band beam system

Q.no 5. In post-tensioning process, steel is pulled before
A: Concrete is poured

B: Load is applied

C: formwork is done

D : casting of column

Q.no 6. 'Studs' in partitions are

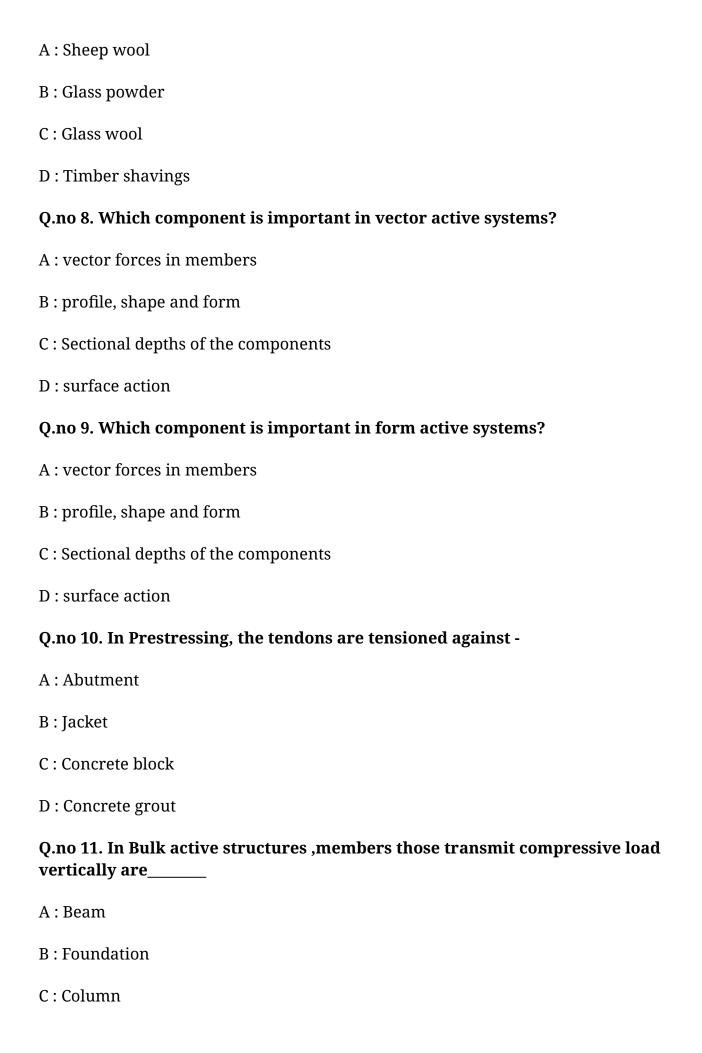
A: Horizontal members used in framings.

B: Vertical members used in framings

C: Cross members used in framings.

D: Members supporting partitions from top

Q.no 7. Material used as insulator in double skin partitions is -



D:Roof

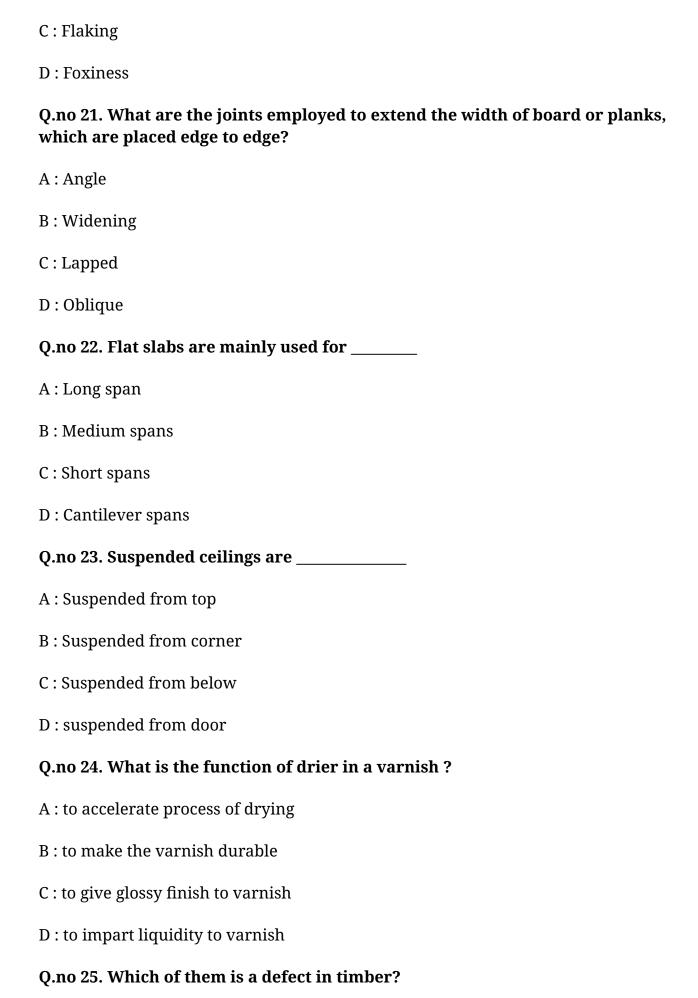
A: Lapped
B: Angle
C: Lengthening
D: Bearing
Q.no 13. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 14. Which type of varnishes dry slowly, but they form hard and durable surface?
A:Oil
B: Spirit
C: Water
D: Turpentine
Q.no 15. In pre-tensioned concrete, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : tension is appied
D : casting of column
Q.no 16. Sole member in partitions is a

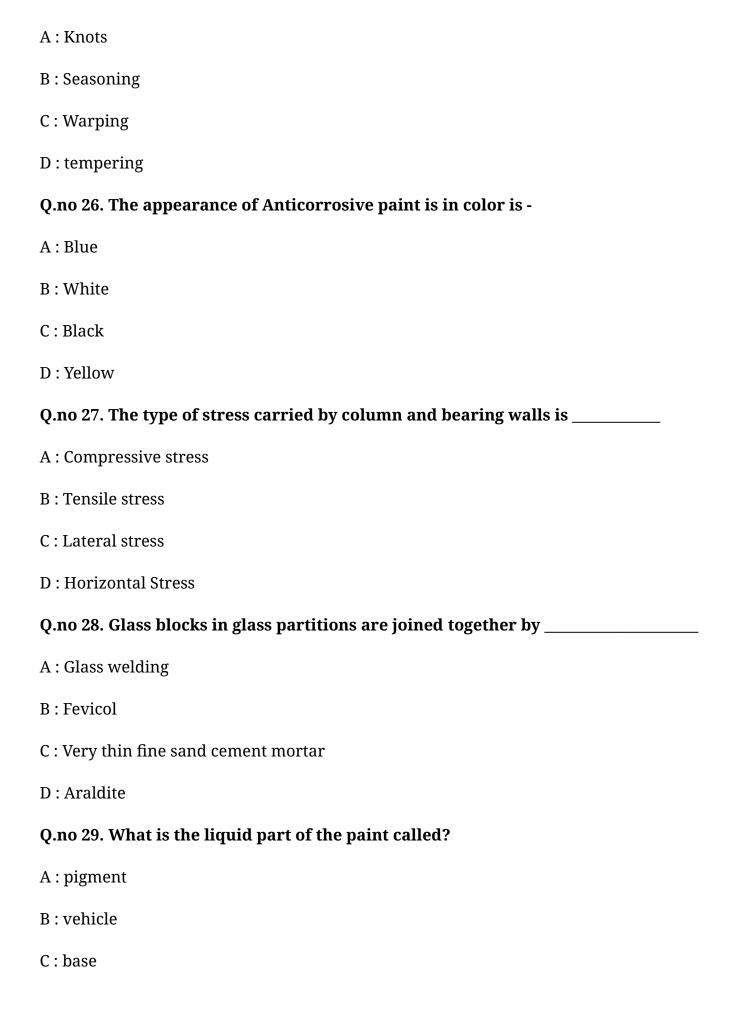
A: Horizontal member supporting Studs. B: Horizontal member topping Studs C: Cross member in the frame D: Wedge between walls and frames. Q.no 17. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups? A: Scarfed B: Spliced C: Mortise and tenon D: Lapped Q.no 18. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 19. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action

Q.no 20. Out of the given options, which is not a defect in paints?

A : Blistering

B: Wrinkling

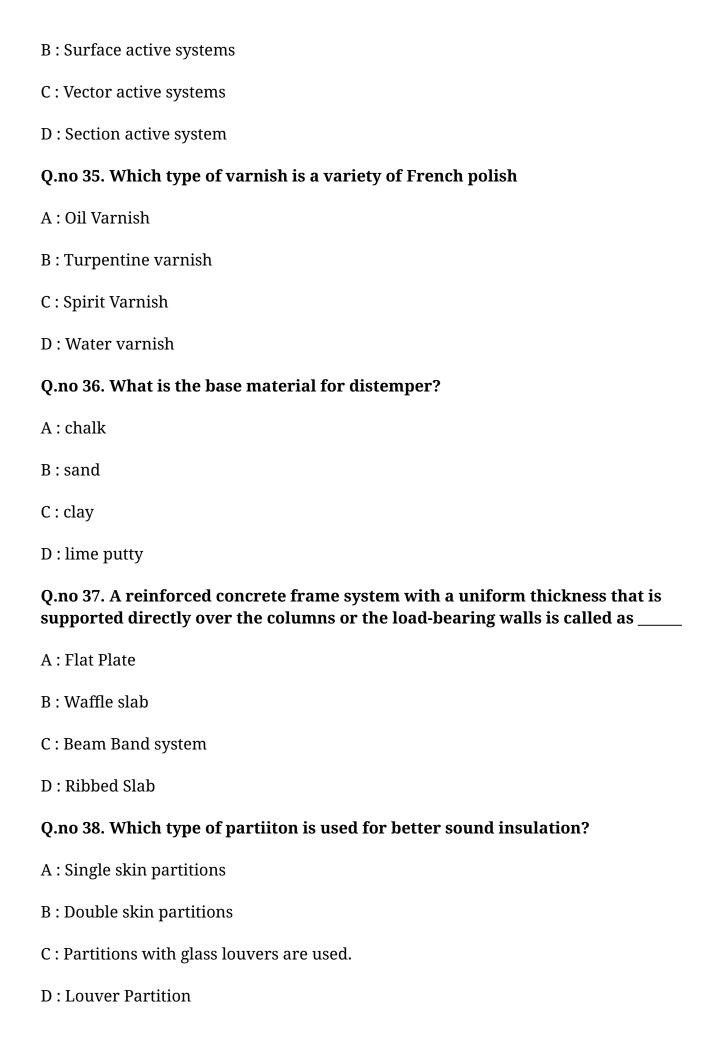




Q.no 30. Suspended decorated ceilings cannot be provided to
A : Service floors
B : Auditoriums
C: Hotels
D : Conference halls
Q.no 31. Which defect is caused by water vapor which is trapped behind the painted surface?
A: Flaking
B : Fading
C: Blistering
D : Flashing
Q.no 32. Which is a natural medium for seasoning of timber?
A: Air
B : Chemical
C: Kiln
D: Boiling
Q.no 33. Extrados of an arch means -
A : inner curve of an arch
B: Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 34. Folded plate structure is one of type of -

D: drier

A: Form active systems



A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 40. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron
Q.no 41. Ribbed slabs are mainly used where -
A : Floor to floor height is to reduced
B : Clear Soffit is required
C : Soffit is exposed
D : Soffit is enclosed
Q.no 42. In pre stressed concrete beam, tensile stress is taken care by
A : Steel anchor
B : Steel tendon
C: Steel pipe
D : Hollow duct
Q.no 43. In Post tensioning method the cable duct is filled later with
A : Brick Bat
B: Soil

Q.no 39. Which capacity of slab increases due to flat slab construction?

C: Steel
D : Grout
Q.no 44. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 45. Intrados of an arch means -
A : inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 46. Electrical provisions can be easily installed in -
A : waffle slab
B : Flat slab
C : Flat plate slab
D : two way slab
Q.no 47. Which one is not a step of timber processing?
A : Felling
B : Seasoning
C: Warping
D : Preservation
Q.no 48. Arch is type of -

A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 49. In Segmental Arch, the center of n arch lies
A : below the springing line
B : above the springing line
C : on the springing line
D : above one third portion of springing line
Q.no 50. The two members meeting at an angle can be joined by a -
A : Bridle joint
B : Oblique tenon joint
C : Mitre joint
D : Birds mouth joint
Q.no 51. Thickening in flat slab at the column is called as
A : Column pedestal
B: Cornice
C: Drop Panel
D : Column Head
Q.no 52. 3D trusses are also called as
A: Flat trusses
B: Curved
C : Prismatic

Q.no 53. In post tensioning the member which pulls the cables is known as -
A : Hydraulic Jack
B : Steel bars
C: Steel pipe
D : Steel Reinforcement
Q.no 54. Which of them do not define as property of hardwood?
A : Quick growth
B : Contain little resin
C : Compact arrangement of grains
D : Slow growth
Q.no 55. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 56. The structural design principles of continuous flat slab floors are similar to:
A : One way slab
B : Two way slab
C : Cantilever slab
D : Diagonal slab
O.no 57. Row of arches in continuation is called as

D : Space

A: Curvature
B : Façade
C: Arcade
D : Keystone
Q.no 58. In membrane structures, primarily structural membrane possesses -
A: Compression
B: tension
C: Shear
D: lateral stress
Q.no 59. Soft wood Ply is made up from -
A:Oak
B: Beech
C: Cedar
D : Mahogany
Q.no 60. Shell structure is one of the type of
A : Form active system
B : Surface active systems
C : Vector active systems
D : Section active system

Answer for Question No 1. is d	
Answer for Question No 2. is b	
Answer for Question No 3. is b	
Answer for Question No 4. is c	
Answer for Question No 5. is b	
Answer for Question No 6. is b	
Answer for Question No 7. is c	
Answer for Question No 8. is a	
Answer for Question No 9. is b	
Answer for Question No 10. is a	
Answer for Question No 11. is c	
Answer for Question No 12. is c	
Answer for Question No 13. is a	
Answer for Question No 14. is a	
Answer for Question No 15. is a	

Ans	swer for Question No 16. is a
Ans	swer for Question No 17. is d
Ans	swer for Question No 18. is c
Ans	swer for Question No 19. is d
Ans	swer for Question No 20. is d
Ans	swer for Question No 21. is b
Ans	swer for Question No 22. is b
Ans	swer for Question No 23. is a
Ans	swer for Question No 24. is a
Ans	swer for Question No 25. is a
Ans	swer for Question No 26. is c
Ans	swer for Question No 27. is a
Ans	swer for Question No 28. is c
Ans	swer for Question No 29. is b
Ans	swer for Question No 30. is a
,	

Answer for Question No 31. is c	
Answer for Question No 32. is a	
Answer for Question No 33. is b	
Answer for Question No 34. is b	
Answer for Question No 35. is c	
Answer for Question No 36. is a	
Answer for Question No 37. is a	
Answer for Question No 38. is b	
Answer for Question No 39. is b	
Answer for Question No 40. is d	
Answer for Question No 41. is c	
Answer for Question No 42. is b	
Answer for Question No 43. is d	
Answer for Question No 44. is a	
Answer for Question No 45. is a	

Ans	swer for Question No 46. is a
Ans	swer for Question No 47. is c
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Ans	swer for Question No 49. is a
Ans	swer for Question No 50. is c
Ans	swer for Question No 51. is c
Ans	swer for Question No 52. is c
Ans	swer for Question No 53. is a
Ans	swer for Question No 54. is a
Ans	swer for Question No 55. is c
Ans	swer for Question No 56. is b
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is b
Ans	swer for Question No 59. is c
Ans	swer for Question No 60. is b

Total number of questions: 60

10034 BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

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Q.no 1. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed

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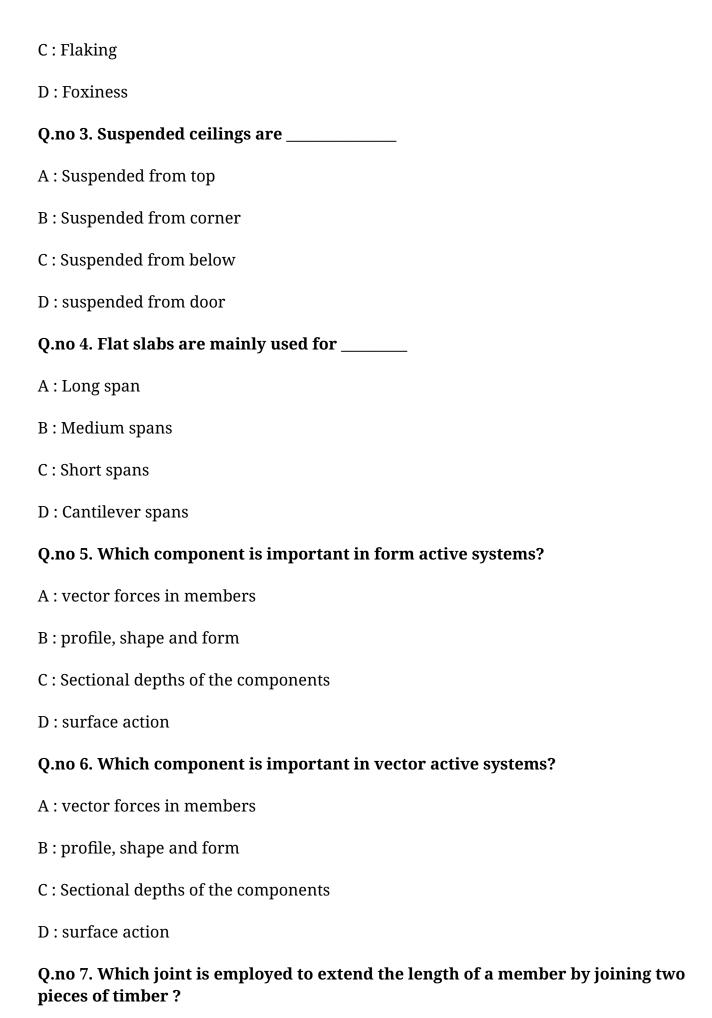
C: Mortise and tenon

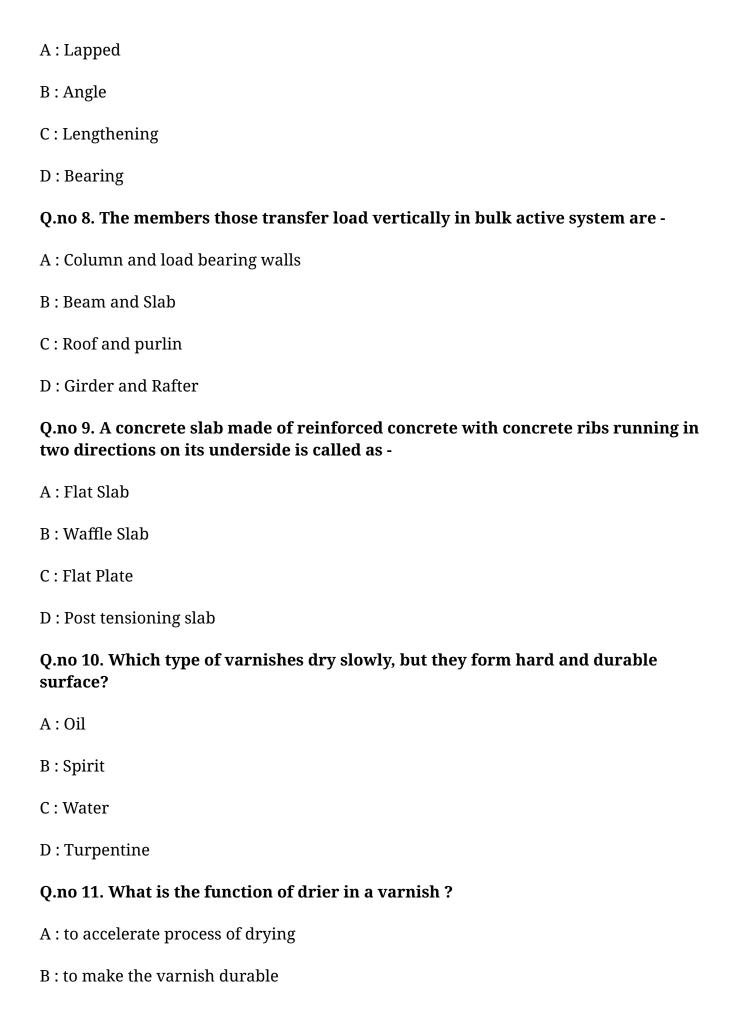
D: Lapped

Q.no 2. Out of the given options, which is not a defect in paints?

A: Blistering

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Q.no 16. In post-tensioning process, steel is pulled before -A: Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 17. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 18. Pigment is mixed in paints to give desired _____. A: smoothness B: color C: appearance D: durability Q.no 19. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 20. Which structural element is absent in Flat Slab construction? A: Column capitals B: Shear walls

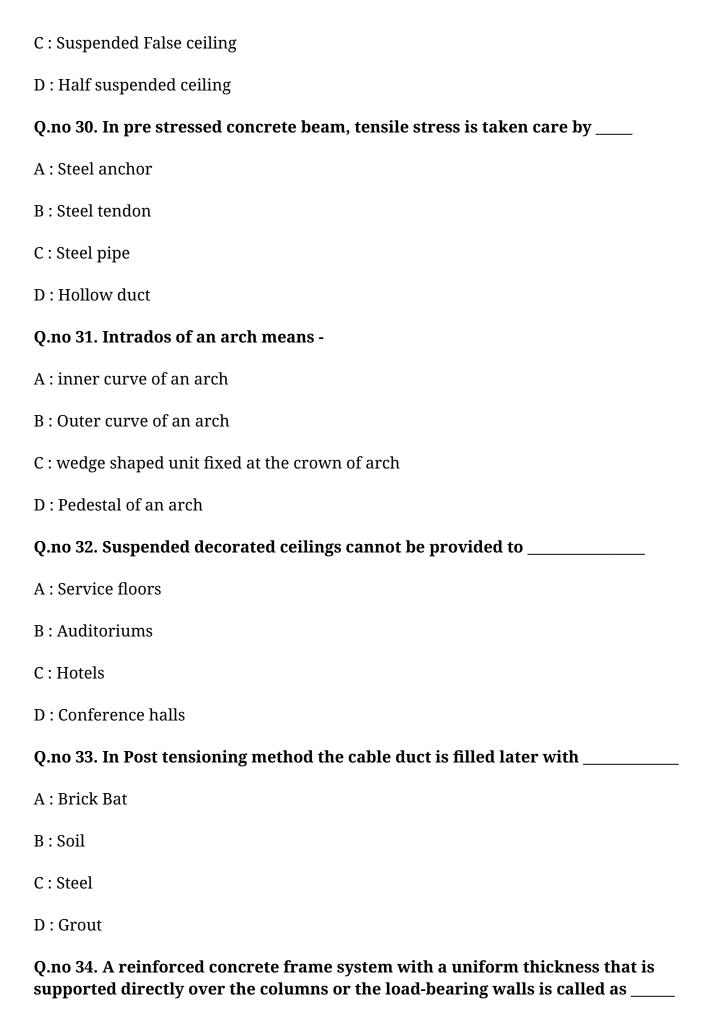
C: Footings
D : Beams
Q.no 21. Material used as insulator in double skin partitions is -
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B : Glass powder
C : Glass wool
D : Timber shavings
Q.no 22. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -
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B : Horizontal member topping Studs
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D : Wedge between walls and frames.

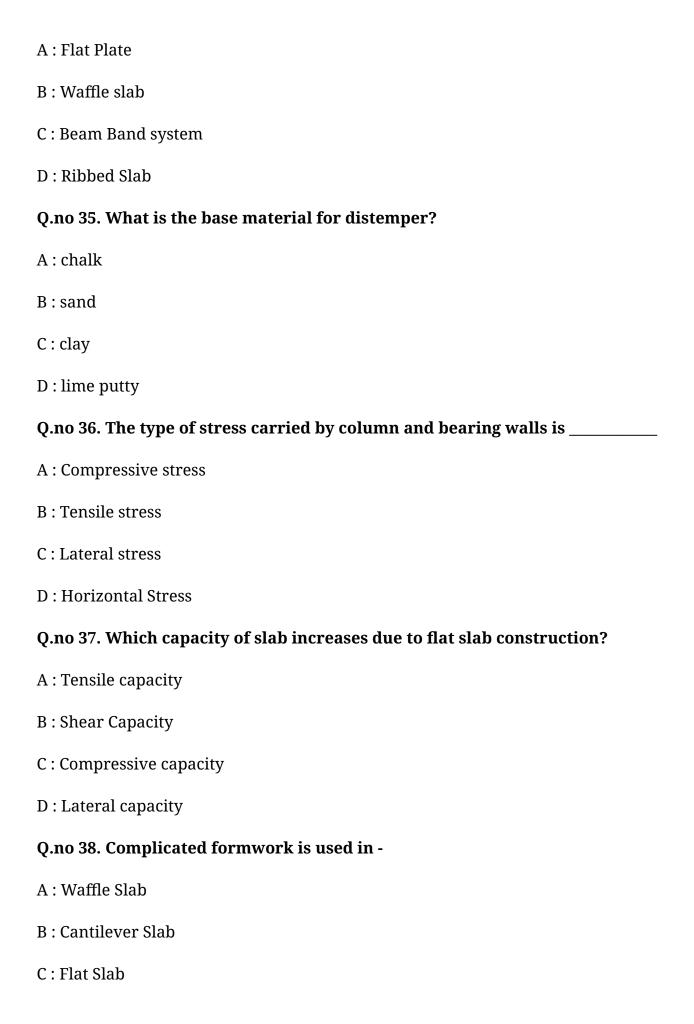
Q.no 25. Out of the given options, which cannot be a reason to provide suspended ceiling? A: hiding the service lines B: For better natural light C: For aesthetic purpose D: for reducing the volume of space and load on A.C. Q.no 26. Which one is not a step of timber processing? A: Felling B: Seasoning C: Warping D: Preservation Q.no 27. Ribbed slabs are mainly used where -A: Floor to floor height is to reduced B: Clear Soffit is required C: Soffit is exposed D: Soffit is enclosed Q.no 28. Which is a natural medium for seasoning of timber? A: Air B: Chemical C: Kiln D: Boiling

Q.no 29. Physical volume of the space below does not get reduced in _____

A : Open False ceiling

B: Closed false ceiling





D: Flat Plate

Q.no 39. What is the liquid part of the paint called?

A: pigment

B: vehicle

C: base

Q.no 40. Which defect is caused by water vapor which is trapped behind the painted surface?

A: Flaking

D: drier

B: Fading

C: Blistering

D: Flashing

Q.no 41. Drop panels are used to -

A: Increase shear strength of slab

B: Reduce deflection

C: Increase decorative value

D: Reduce lateral stress

Q.no 42. Electrical provisions can be easily installed in -

A: waffle slab

B: Flat slab

C: Flat plate slab

D: two way slab

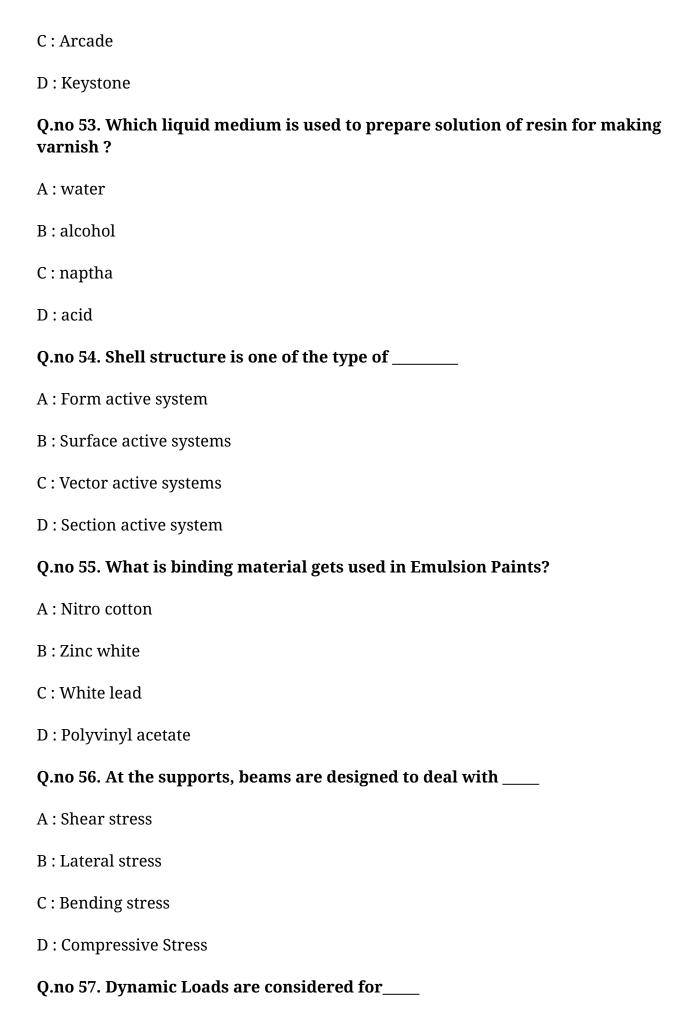
Q.no 43. Which type of varnish is a variety of French polish

A: Oil Varnish

B: Turpentine varnish
C : Spirit Varnish
D : Water varnish
Q.no 44. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 45. Arch is type of -
A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 46. The two members meeting at an angle can be joined by a -
A : Bridle joint
B : Oblique tenon joint
C: Mitre joint
D : Birds mouth joint
Q.no 47. Out of the given options, which material is not suitable for panelling?
A: Timber
B: Gypsum
C: PVC
D : Mud mortar

Q.no 48. Which type of partiiton is used for better sound insulation?
A : Single skin partitions
B : Double skin partitions
C : Partitions with glass louvers are used.
D : Louver Partition
Q.no 49. Folded plate structure is one of type of -
A : Form active systems
B : Surface active systems
C: Vector active systems
D : Section active system
Q.no 50. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite
Q.no 51. Soft wood Ply is made up from -
A: Oak
B: Beech
C: Cedar
D : Mahogany
Q.no 52. Row of arches in continuation is called as
A : Curvature

B : Façade



A: Swimming pools
B: water tanks
C: Bridges
D : Basement structures
Q.no 58. In membrane structures, primarily structural membrane possesses -
A: Compression
B: tension
C: Shear
D: lateral stress
Q.no 59. Thickening in flat slab at the column is called as
A : Column pedestal
B: Cornice
C: Drop Panel
D : Column Head
Q.no 60. 3D trusses are also called as
A: Flat trusses
B: Curved
C: Prismatic
D : Space

Answer for Question No 1. is d
Answer for Question No 2. is d
Answer for Question No 3. is a
Answer for Question No 4. is b
Answer for Question No 5. is b
Answer for Question No 6. is a
Answer for Question No 7. is c
Answer for Question No 8. is a
Answer for Question No 9. is b
Answer for Question No 10. is a
Answer for Question No 11. is a
Answer for Question No 12. is a
Answer for Question No 13. is b
Answer for Question No 14. is a
Answer for Question No 15. is c

Ans	swer for Question No 16. is b
Ans	swer for Question No 17. is c
Ans	swer for Question No 18. is b
Ans	swer for Question No 19. is d
Ans	swer for Question No 20. is d
Ans	swer for Question No 21. is c
Ans	swer for Question No 22. is a
Ans	swer for Question No 23. is a
Ans	swer for Question No 24. is a
Ans	swer for Question No 25. is b
Ans	swer for Question No 26. is c
Ans	swer for Question No 27. is c
Ans	swer for Question No 28. is a
Ans	swer for Question No 29. is a
Ans	swer for Question No 30. is b
,	

Answer for Question No 31. is a	
Answer for Question No 32. is a	
Answer for Question No 33. is d	
Answer for Question No 34. is a	
Answer for Question No 35. is a	
Answer for Question No 36. is a	
Answer for Question No 37. is b	
Answer for Question No 38. is a	
Answer for Question No 39. is b	
Answer for Question No 40. is c	
Answer for Question No 41. is a	
Answer for Question No 42. is a	
Answer for Question No 43. is c	
Answer for Question No 44. is b	
Answer for Question No 45. is a	

Ans	swer for Question No 46. is c
Ans	swer for Question No 47. is d
Ans	swer for Question No 48. is b
Ans	swer for Question No 49. is b
Ans	swer for Question No 50. is c
Ans	swer for Question No 51. is c
Ans	swer for Question No 52. is c
Ans	swer for Question No 53. is b
Ans	swer for Question No 54. is b
Ans	swer for Question No 55. is d
Ans	swer for Question No 56. is a
Ans	swer for Question No 57. is c
Ans	swer for Question No 58. is b
Ans	swer for Question No 59. is c
Ans	swer for Question No 60. is c

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. A concrete slab made of reinforced concrete with concrete ribs running in two directions on its underside is called as -

A: Flat Slab

B: Waffle Slab

C: Flat Plate

D: Post tensioning slab

Q.no 2. Saving of weight and material is done in which type of RCC flooring system?

A: Flat Slab

B: Flat Plate slab

C : Ribbed slab
D : Band beam system
Q.no 3. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block
D : Concrete grout
Q.no 4. Which component is important in section active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 5. Out of the given options, which is not a defect in paints?
A: Blistering
B: Wrinkling
C: Flaking
D: Foxiness
Q.no 6. Which type of varnishes dry slowly, but they form hard and durable surface?
A:Oil
B: Spirit
C: Water
D : Turpentine
Q.no 7. 'Studs' in partitions are

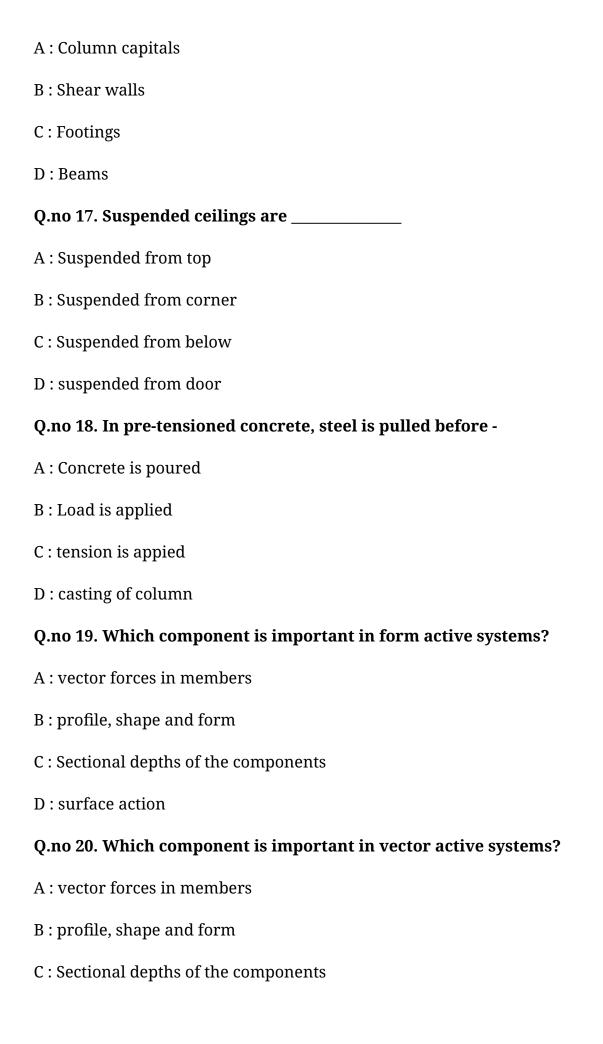
A : Horizontal members used in framings.
B : Vertical members used in framings
C : Cross members used in framings.
D : Members supporting partitions from top
Q.no 8. Which component is important in surface active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 9. Which of them is a defect in timber?
A: Knots
B: Seasoning
C: Warping
D: tempering
Q.no 10. In post-tensioning process, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : formwork is done
D : casting of column
Q.no 11. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C: RCC slab

D: Shear slab

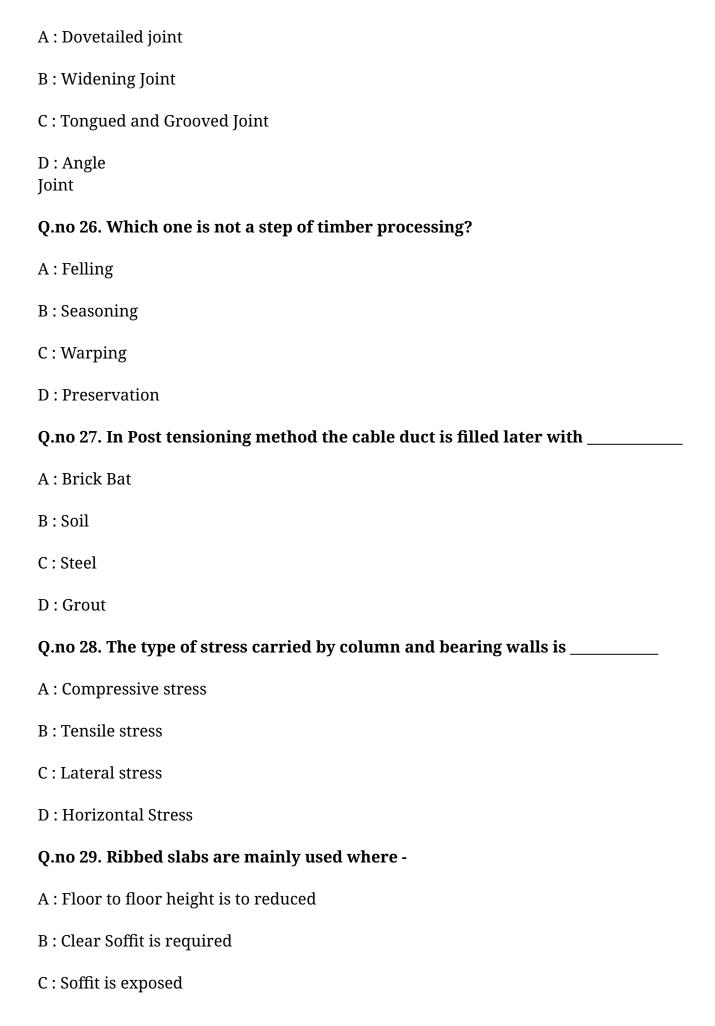
Q.no 12. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 13. Material used as insulator in double skin partitions is -
A : Sheep wool
B : Glass powder
C : Glass wool
D : Timber shavings
Q.no 14. Flat slabs are mainly used for
A : Long span
B : Medium spans
C: Short spans
D : Cantilever spans
Q.no 15. Out of the given options, which cannot be a reason to provide suspended ceiling?
A : hiding the service lines
B : For better natural light
C : For aesthetic purpose
D: for reducing the volume of space and load on A C

Q.no 16. Which structural element is absent in Flat Slab construction?

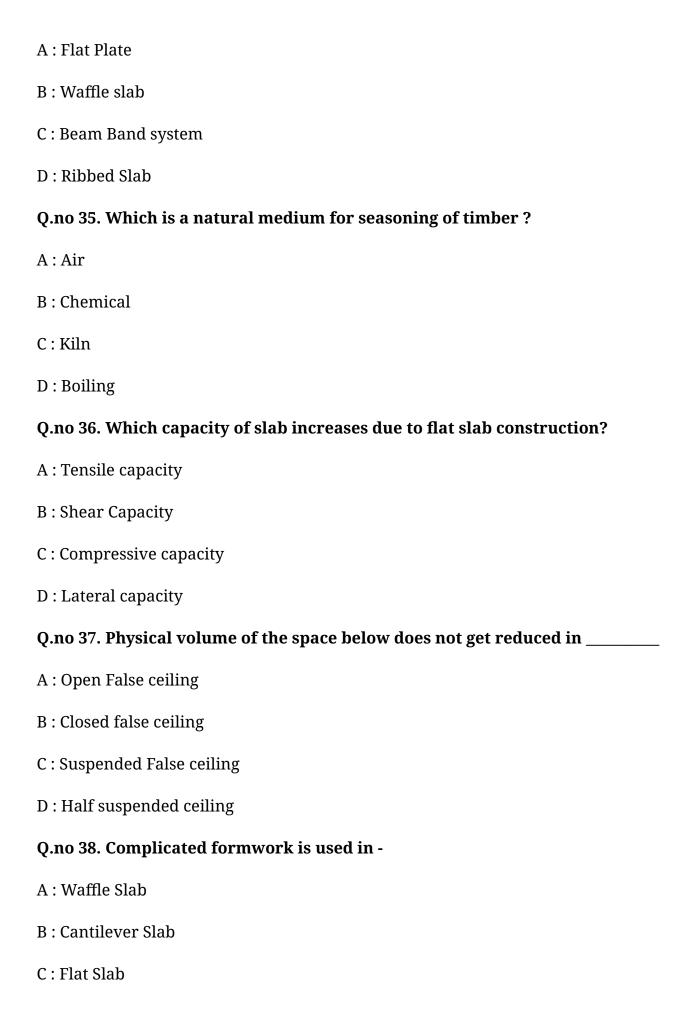


D : surface action
Q.no 21. Sole member in partitions is a
A : Horizontal member supporting Studs.
B : Horizontal member topping Studs
C : Cross member in the frame
D : Wedge between walls and frames.
Q.no 22. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A: Angle
B: Widening
C: Lapped
D : Oblique
Q.no 23. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 24. The first coat of paint applied during the painting process called as -
A : Priming coat
B : Finishing coat
C : End coat
D : Under coat
Q.no 25. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -



Q.no 30. Which type of partiiton is used for better sound insulation? A: Single skin partitions B: Double skin partitions C: Partitions with glass louvers are used. D: Louver Partition Q.no 31. In Segmental Arch, the center of n arch lies_____ A: below the springing line B: above the springing line C: on the springing line D: above one third portion of springing line Q.no 32. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 33. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge? A: Widening joint B: Angle joint C: Oblique Joint D: Corner joint Q.no 34. A reinforced concrete frame system with a uniform thickness that is supported directly over the columns or the load-bearing walls is called as _____

D: Soffit is enclosed



D: Flat Plate Q.no 39. Glass blocks in glass partitions are joined together by _____ A: Glass welding B: Fevicol C: Very thin fine sand cement mortar D: Araldite Q.no 40. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 41. The two members meeting at an angle can be joined by a -A: Bridle joint B: Oblique tenon joint C: Mitre joint D: Birds mouth joint Q.no 42. Which defect is caused by water vapor which is trapped behind the painted surface? A: Flaking

B: Fading

C: Blistering

D: Flashing

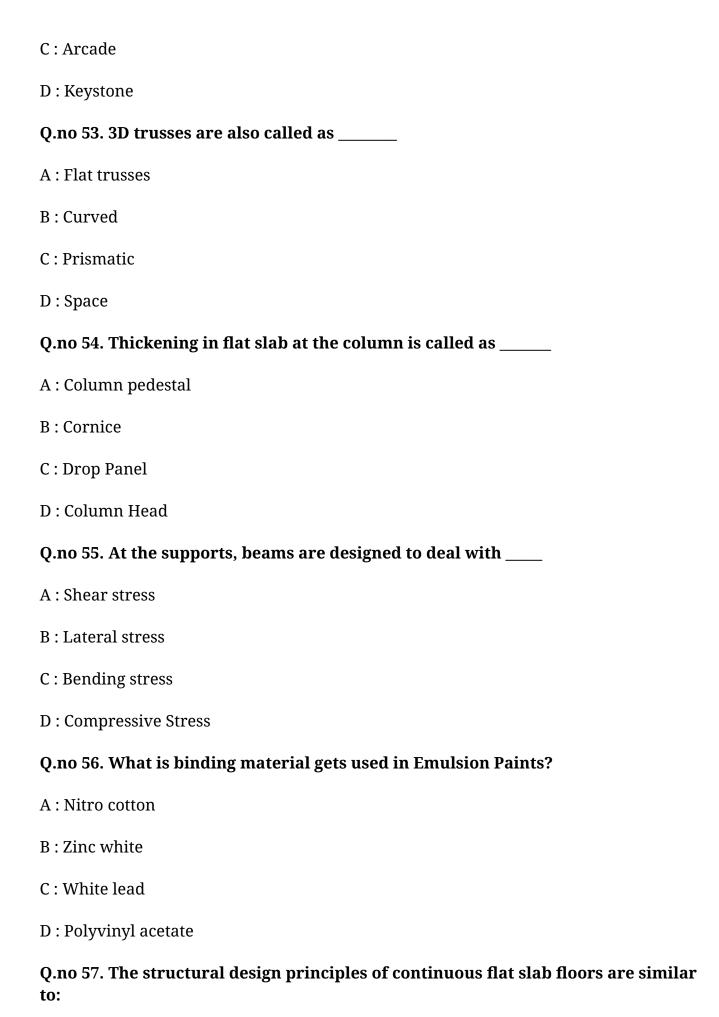
Q.no 43. Extrados of an arch means -

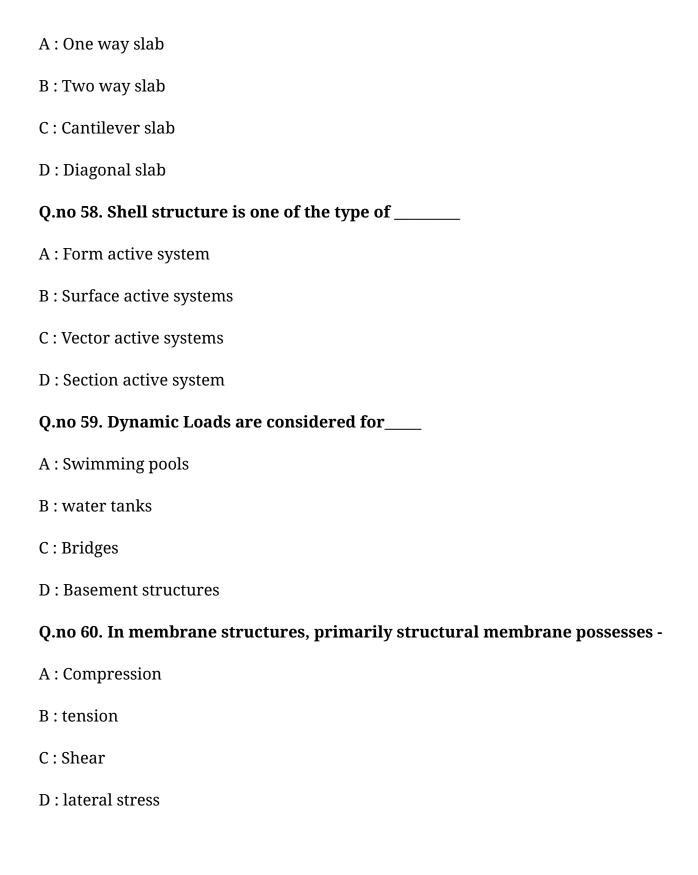
A: inner curve of an arch

B: Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 44. What is the base material for distemper?
A: chalk
B: sand
C: clay
D : lime putty
Q.no 45. Out of the given options, which material is not suitable for panelling?
A: Timber
B: Gypsum
C: PVC
D : Mud mortar
Q.no 46. Folded plate structure is one of type of -
A : Form active systems
B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 47. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron

Q.no 48. Arch is type of -
A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 49. The appearance of Anticorrosive paint is in color is -
A:Blue
B: White
C: Black
D : Yellow
Q.no 50. Suspended decorated ceilings cannot be provided to
A : Service floors
B : Auditoriums
C: Hotels
D : Conference halls
Q.no 51. What is the liquid medium used in Oil paints?
A: thinner
B: alcohol
C: turpentine
D : linseed oil
Q.no 52. Row of arches in continuation is called as
A : Curvature

B : Façade





Answer for Question No 1. is b
Answer for Question No 2. is c
Answer for Question No 3. is a
Answer for Question No 4. is c
Answer for Question No 5. is d
Answer for Question No 6. is a
Answer for Question No 7. is b
Answer for Question No 8. is d
Answer for Question No 9. is a
Answer for Question No 10. is b
Answer for Question No 11. is a
Answer for Question No 12. is d
Answer for Question No 13. is c
Answer for Question No 14. is b
Answer for Question No 15. is b

Answer for Question No 16. is d
Answer for Question No 17. is a
Answer for Question No 18. is a
Answer for Question No 19. is b
Answer for Question No 20. is a
Answer for Question No 21. is a
Answer for Question No 22. is b
Answer for Question No 23. is a
Answer for Question No 24. is a
Answer for Question No 25. is a
Answer for Question No 26. is c
Answer for Question No 27. is d
Answer for Question No 28. is a
Answer for Question No 29. is c
Answer for Question No 30. is b

Answer for Question No 31. is a	
Answer for Question No 32. is c	
Answer for Question No 33. is b	
Answer for Question No 34. is a	
Answer for Question No 35. is a	
Answer for Question No 36. is b	
Answer for Question No 37. is a	
Answer for Question No 38. is a	
Answer for Question No 39. is c	
Answer for Question No 40. is a	
Answer for Question No 41. is c	
Answer for Question No 42. is c	
Answer for Question No 43. is b	
Answer for Question No 44. is a	
Answer for Question No 45. is d	

Ans	swer for Question No 46. is b
Ans	swer for Question No 47. is d
Ans	swer for Question No 48. is a
Ans	swer for Question No 49. is c
Ans	swer for Question No 50. is a
Ans	swer for Question No 51. is d
Ans	swer for Question No 52. is c
Ans	swer for Question No 53. is c
Ans	swer for Question No 54. is c
Ans	swer for Question No 55. is a
Ans	swer for Question No 56. is d
Ans	swer for Question No 57. is b
Ans	swer for Question No 58. is b
Ans	swer for Question No 59. is c
Ans	swer for Question No 60. is b

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Tittle : Titt	
	Max Marks : 50

N.B

Time · 1hr

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
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Q.no 1. The first coat of paint applied during the painting process called as -

A : Priming coat	t
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B: Finishing coat

C: End coat

D: Under coat

Q.no 2. 'Studs' in partitions are

A: Horizontal members used in framings.

B: Vertical members used in framings

C: Cross members used in framings.

D: Members supporting partitions from top Q.no 3. Sole member in partitions is a _____ A: Horizontal member supporting Studs. B: Horizontal member topping Studs C: Cross member in the frame D: Wedge between walls and frames. Q.no 4. What are the joints employed to extend the width of board or planks, which are placed edge to edge? A: Angle B: Widening C: Lapped D: Oblique Q.no 5. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups? A: Scarfed B: Spliced C: Mortise and tenon D : Lapped Q.no 6. What is the function of drier in a varnish? A: to accelerate process of drying B: to make the varnish durable C: to give glossy finish to varnish

D: to impart liquidity to varnish

Q.no 7. Out of the given options, which cannot be a reason to provide suspended ceiling? A: hiding the service lines

B : For better natural light

C : For aesthetic purpose

D: for reducing the volume of space and load on A.C.

Q.no 8. Which component is important in surface active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional sizes and depths of the components

D: surface action

Q.no 9. Which component is important in form active systems?

A: vector forces in members

B : profile, shape and form

C : Sectional depths of the components

D: surface action

Q.no 10. Saving of weight and material is done in which type of RCC flooring system?

A : Flat Slab

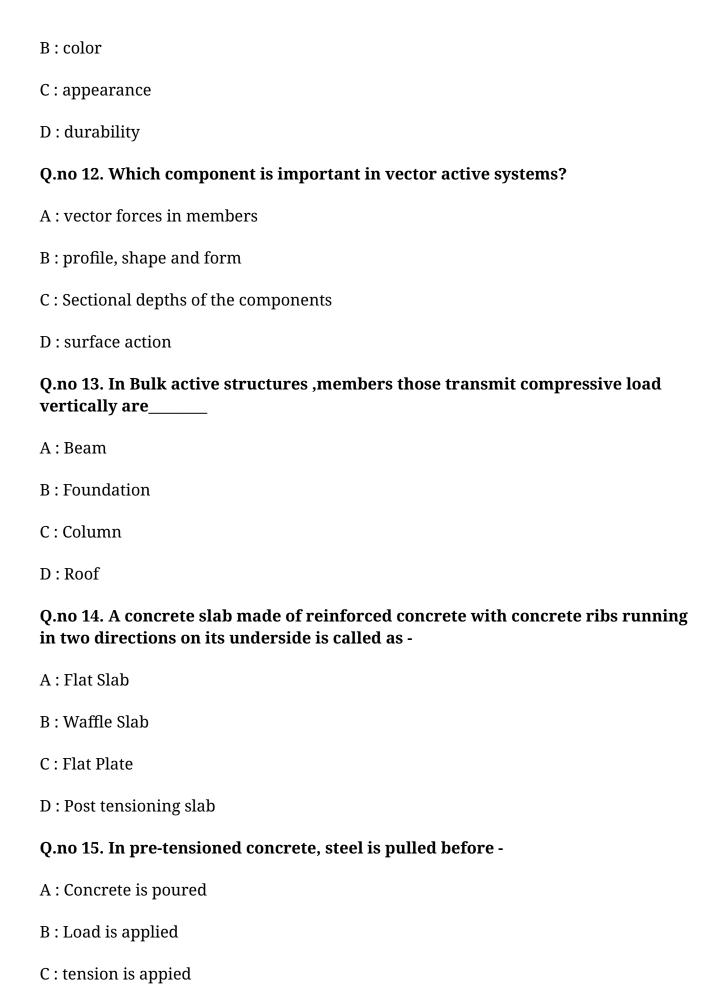
B : Flat Plate slab

C: Ribbed slab

D: Band beam system

Q.no 11. Pigment is mixed in paints to give desired _____.

A: smoothness

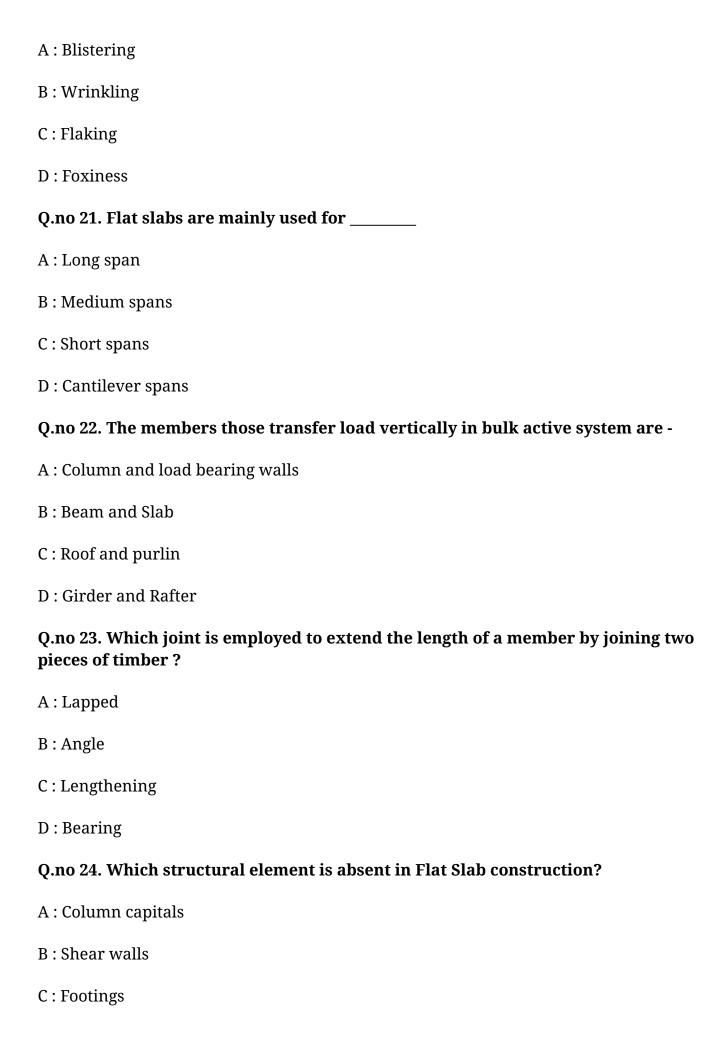


D: casting of column

Q.no 16. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -

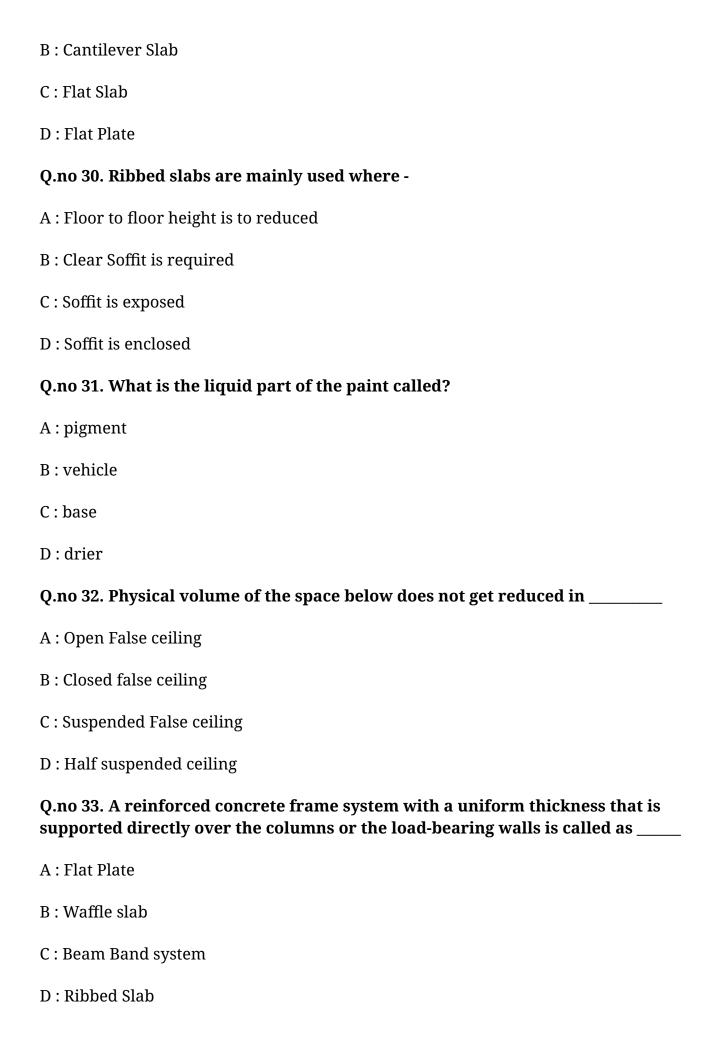
A: Dovetailed joint B: Widening Joint C: Tongued and Grooved Joint D: Angle **Joint** Q.no 17. Material used as insulator in double skin partitions is -A: Sheep wool B : Glass powder C: Glass wool D: Timber shavings Q.no 18. In post-tensioning process, steel is pulled before -A : Concrete is poured B: Load is applied C: formwork is done D: casting of column Q.no 19. Which type of varnishes dry slowly, but they form hard and durable surface? A:Oil B: Spirit C: Water D: Turpentine

Q.no 20. Out of the given options, which is not a defect in paints?



Q.no 25. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as	
A : Flat slab	
B : Waffle slab	
C: RCC slab	
D : Shear slab	
Q.no 26. In Segmental Arch, the center of n arch lies	
A : below the springing line	
B : above the springing line	
C: on the springing line	
D : above one third portion of springing line	
Q.no 27. Extrados of an arch means -	
A: inner curve of an arch	
B: Outer curve of an arch	
C : wedge shaped unit fixed at the crown of arch	
D : Pedestal of an arch	
Q.no 28. In Post tensioning method the cable duct is filled later with	
A : Brick Bat	
B: Soil	
C: Steel	
D: Grout	
O no 29 Complicated formwork is used in -	

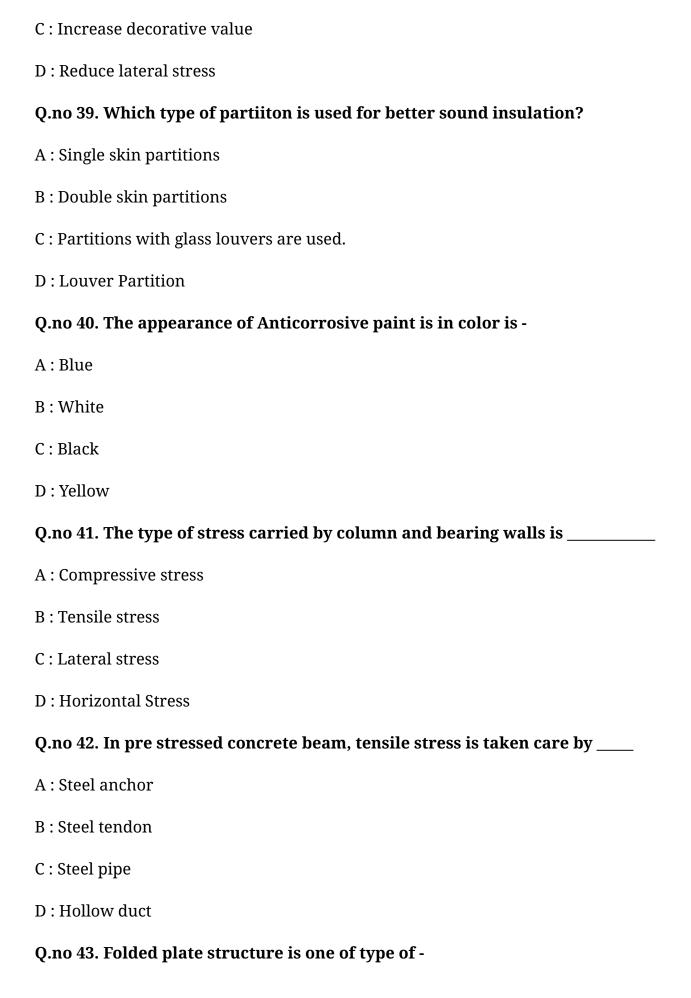
A: Waffle Slab



A: chalk B: sand C: clay D: lime putty Q.no 35. The straps provided in case of Lapped joint are -A: Aluminum B: Nickel C: Wooden D: Iron Q.no 36. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 37. Which one is not a step of timber processing? A: Felling B: Seasoning C: Warping D: Preservation Q.no 38. Drop panels are used to -A: Increase shear strength of slab

B: Reduce deflection

Q.no 34. What is the base material for distemper?



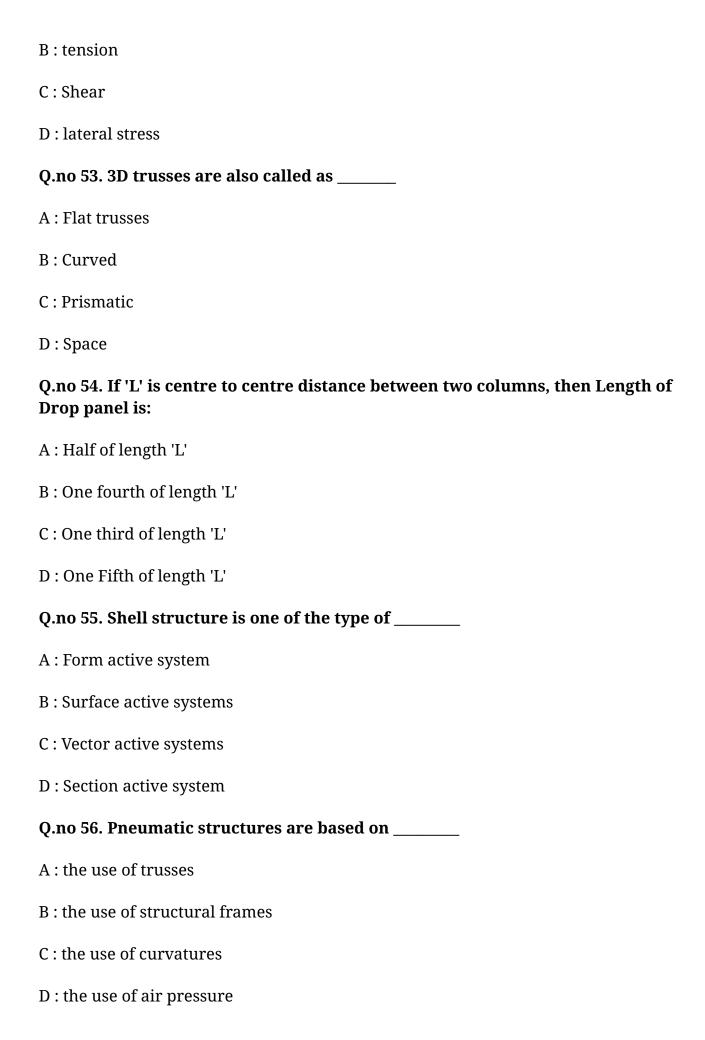
A : Form active systems
B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 44. Which is a natural medium for seasoning of timber?
A: Air
B : Chemical
C: Kiln
D : Boiling
Q.no 45. Electrical provisions can be easily installed in -
A : waffle slab
B : Flat slab
C : Flat plate slab
D : two way slab
Q.no 46. Intrados of an arch means -
A : inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 47. Out of the given options, which material is not suitable for panelling?
A: Timber
B: Gypsum
C: PVC

D: Mud mortar

A: Compression

Q.no 48. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?

A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 49. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 50. The two members meeting at an angle can be joined by a -
A : Bridle joint
B : Oblique tenon joint
C : Mitre joint
D : Birds mouth joint
Q.no 51. Row of arches in continuation is called as
A : Curvature
B : Façade
C: Arcade
D : Keystone
Q.no 52. In membrane structures, primarily structural membrane possesses -



A:Oak B: Beech C: Cedar D: Mahogany Q.no 58. Which of them do not define as property of hardwood? A: Quick growth B: Contain little resin C: Compact arrangement of grains D: Slow growth Q.no 59. The hanging sections are used in suspended ceiling system are made up A: Aluminium B: Mild steel C: Galvanised steel D: Structural steel Q.no 60. What is binding material gets used in Emulsion Paints? A: Nitro cotton B: Zinc white C: White lead D: Polyvinyl acetate

Q.no 57. Soft wood Ply is made up from -

Answer for Question No 1. is a
Answer for Question No 2. is b
Answer for Question No 3. is a
Answer for Question No 4. is b
Answer for Question No 5. is d
Answer for Question No 6. is a
Answer for Question No 7. is b
Answer for Question No 8. is d
Answer for Question No 9. is b
Answer for Question No 10. is c
Answer for Question No 11. is b
Answer for Question No 12. is a
Answer for Question No 13. is c
Answer for Question No 14. is b
Answer for Question No 15. is a

An	swer for Question No 16. is a
An	swer for Question No 17. is c
An	swer for Question No 18. is b
An	swer for Question No 19. is a
An	swer for Question No 20. is d
An	swer for Question No 21. is b
An	swer for Question No 22. is a
An	swer for Question No 23. is c
An	swer for Question No 24. is d
An	swer for Question No 25. is a
An	swer for Question No 26. is a
An	swer for Question No 27. is b
An	swer for Question No 28. is d
An	swer for Question No 29. is a
An	swer for Question No 30. is c

Answer for Question	No 31. is b		
Answer for Question	No 32. is a		
Answer for Question	No 33. is a		
Answer for Question	No 34. is a		
Answer for Question	No 35. is d		
Answer for Question	No 36. is c		
Answer for Question	No 37. is c		
Answer for Question	No 38. is a		
Answer for Question	No 39. is b		
Answer for Question	No 40. is c		
Answer for Question	No 41. is a		
Answer for Question	No 42. is b		
Answer for Question	No 43. is b		
Answer for Question	No 44. is a		
Answer for Question	No 45. is a		

Ans	swer for Question No 46. is a
Ans	swer for Question No 47. is d
An	swer for Question No 48. is b
An	swer for Question No 49. is b
An	swer for Question No 50. is c
An	swer for Question No 51. is c
An	swer for Question No 52. is b
An	swer for Question No 53. is c
An	swer for Question No 54. is c
An	swer for Question No 55. is b
An	swer for Question No 56. is d
An	swer for Question No 57. is c
Ans	swer for Question No 58. is a
Ans	swer for Question No 59. is a
Ans	swer for Question No 60. is d
,	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time : 1hr	
	Max Marks : 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
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Q.no 1. In post-tensioning process, steel is pulled before -

A : Concrete is poured

B: Load is applied

C: formwork is done

D: casting of column

Q.no 2. Pigment is mixed in paints to give desired ______.

A: smoothness

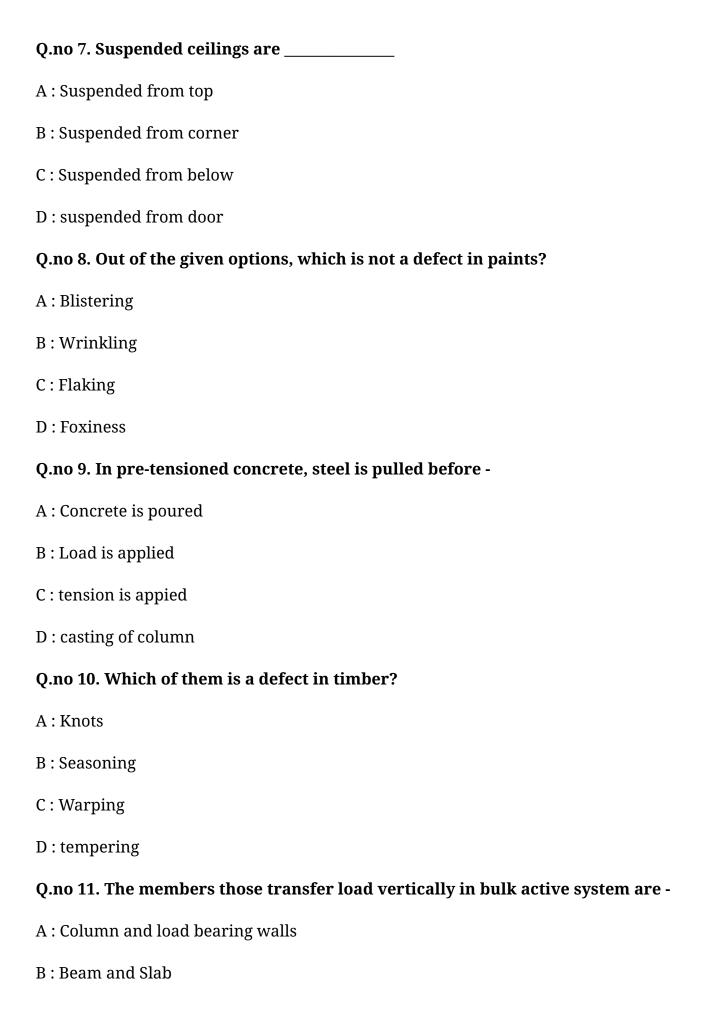
B:color

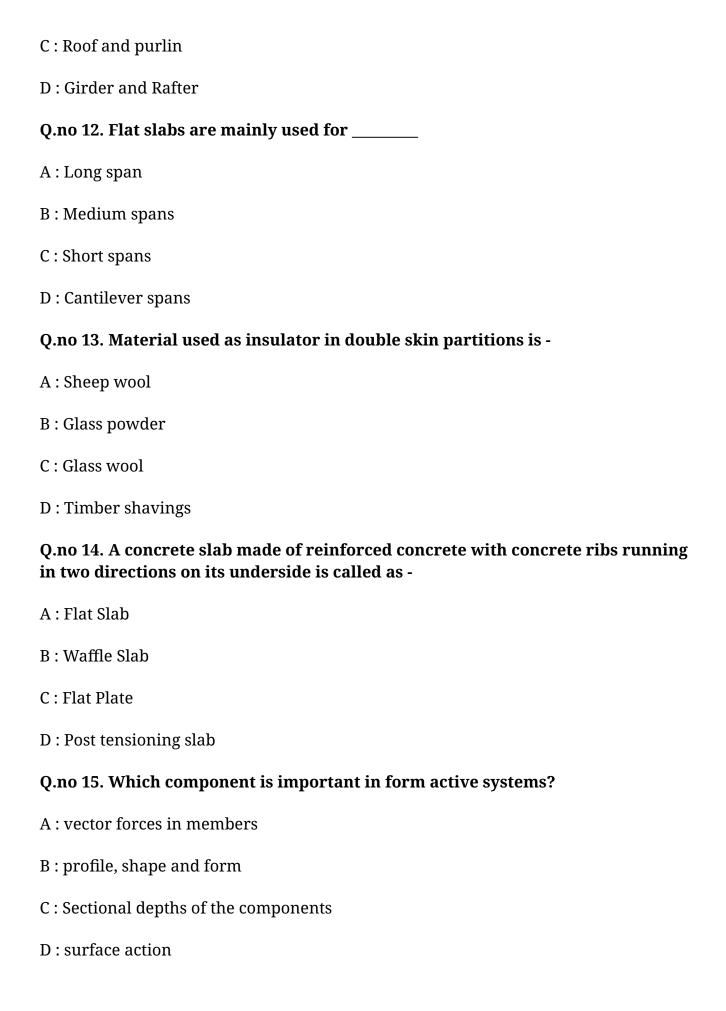
C: appearance

D : durability

Q.no 3. What are the joints employed to extend the width of board or planks, which are placed edge to edge?

A: Angle
B: Widening
C: Lapped
D : Oblique
Q.no 4. 'Studs' in partitions are
A : Horizontal members used in framings.
B : Vertical members used in framings
C : Cross members used in framings.
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Q.no 5. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -
A : Dovetailed joint
B : Widening Joint
C : Tongued and Grooved Joint
D : Angle Joint
Q.no 6. In Bulk active structures ,members those transmit compressive load vertically are
A: Beam
B : Foundation
C : Column
D: Roof





Q.no 16. Which joint is employed to extend the length of a member by joining two pieces of timber? A: Lapped B: Angle C: Lengthening D : Bearing Q.no 17. Which structural element is absent in Flat Slab construction? A: Column capitals B: Shear walls C: Footings D: Beams Q.no 18. Sole member in partitions is a _____ A: Horizontal member supporting Studs. B: Horizontal member topping Studs C: Cross member in the frame D: Wedge between walls and frames. Q.no 19. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups? A: Scarfed B: Spliced

One 20 Out of the given entions

C: Mortise and tenon

D: Lapped

Q.no 20. Out of the given options, which cannot be a reason to provide suspended ceiling?

A: hiding the service lines B: For better natural light C: For aesthetic purpose D: for reducing the volume of space and load on A.C. Q.no 21. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 22. In Prestressing, the tendons are tensioned against -A: Abutment B: Jacket C: Concrete block D: Concrete grout Q.no 23. Saving of weight and material is done in which type of RCC flooring system? A: Flat Slab B: Flat Plate slab C: Ribbed slab D: Band beam system Q.no 24. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form

C: Sectional sizes and depths of the components

D: surface action Q.no 25. Which type of varnishes dry slowly, but they form hard and durable surface? A:Oil B: Spirit C: Water D: Turpentine Q.no 26. The type of stress carried by column and bearing walls is ______ A: Compressive stress B: Tensile stress C: Lateral stress D: Horizontal Stress Q.no 27. The straps provided in case of Lapped joint are -A: Aluminum B: Nickel C: Wooden D: Iron Q.no 28. The two members meeting at an angle can be joined by a -A: Bridle joint

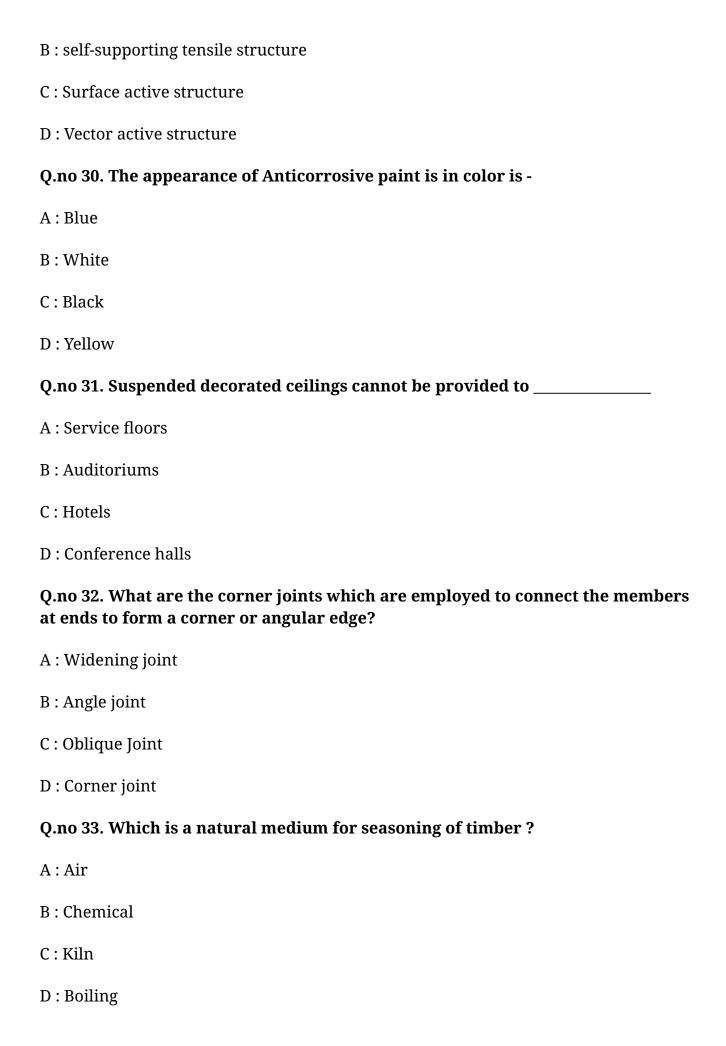
B: Oblique tenon joint

C: Mitre joint

D: Birds mouth joint

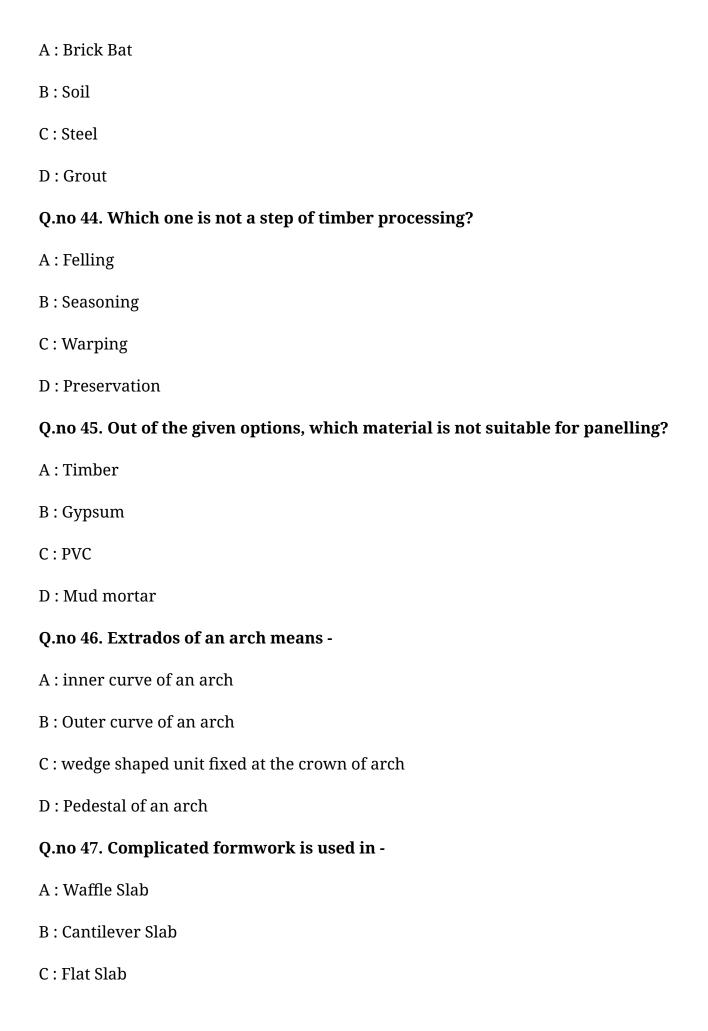
Q.no 29. Arch is type of -

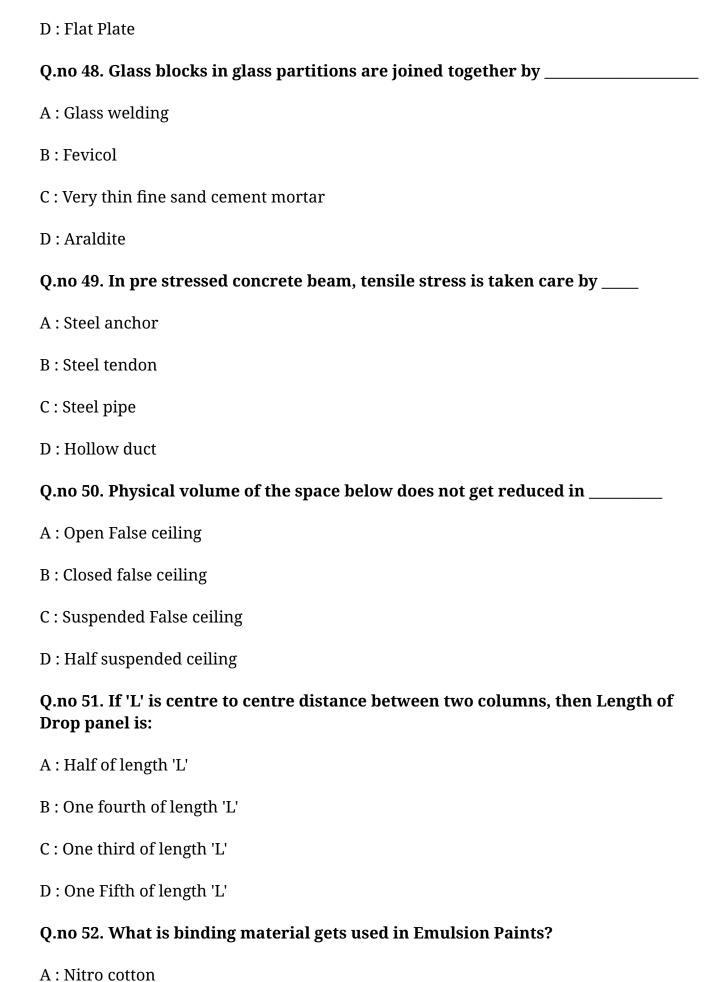
A: self-supporting compressive structure

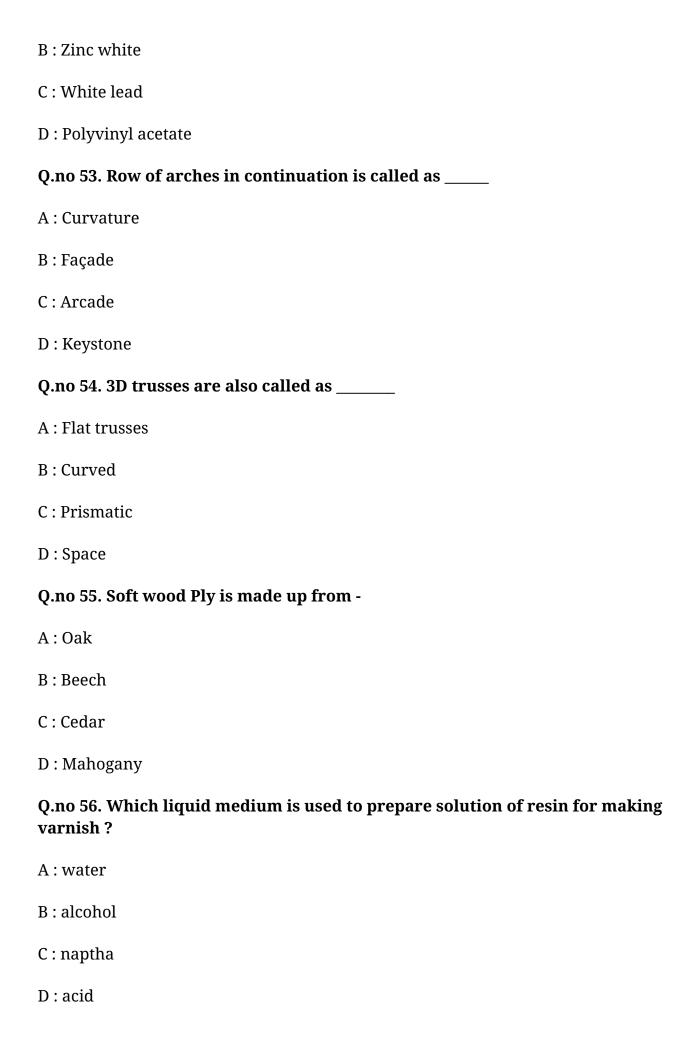


Q.no 34. What is the base material for distemper? A: chalk B: sand C: clay D: lime putty Q.no 35. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 36. Folded plate structure is one of type of -A: Form active systems B: Surface active systems C: Vector active systems D: Section active system Q.no 37. Which capacity of slab increases due to flat slab construction? A: Tensile capacity B: Shear Capacity C: Compressive capacity D: Lateral capacity Q.no 38. Which defect is caused by water vapor which is trapped behind the painted surface? A: Flaking B: Fading

C: Blistering
D : Flashing
Q.no 39. What is the liquid part of the paint called?
A: pigment
B: vehicle
C: base
D: drier
Q.no 40. Drop panels are used to -
A : Increase shear strength of slab
B: Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 41. Which type of partiiton is used for better sound insulation?
A : Single skin partitions
B : Double skin partitions
C : Partitions with glass louvers are used.
D : Louver Partition
Q.no 42. Ribbed slabs are mainly used where -
A : Floor to floor height is to reduced
B : Clear Soffit is required
C : Soffit is exposed
D : Soffit is enclosed
Q.no 43. In Post tensioning method the cable duct is filled later with







A: Compression B: tension C: Shear D: lateral stress Q.no 58. Pneumatic structures are based on _____ A: the use of trusses B: the use of structural frames C: the use of curvatures D: the use of air pressure Q.no 59. At the supports, beams are designed to deal with ____ A: Shear stress B: Lateral stress C: Bending stress D: Compressive Stress Q.no 60. In post tensioning the member which pulls the cables is known as -A: Hydraulic Jack B: Steel bars C: Steel pipe D: Steel Reinforcement

Q.no 57. In membrane structures, primarily structural membrane possesses -

Answer for Question No 1. is b	
Answer for Question No 2. is b	
Answer for Question No 3. is b	
Answer for Question No 4. is b	
Answer for Question No 5. is a	
Answer for Question No 6. is c	
Answer for Question No 7. is a	
Answer for Question No 8. is d	
Answer for Question No 9. is a	
Answer for Question No 10. is a	
Answer for Question No 11. is a	
Answer for Question No 12. is b	
Answer for Question No 13. is c	
Answer for Question No 14. is b	
Answer for Question No 15. is b	

An	swer for Question No 16. is c
An	swer for Question No 17. is d
An	swer for Question No 18. is a
An	swer for Question No 19. is d
An	swer for Question No 20. is b
An	swer for Question No 21. is c
An	swer for Question No 22. is a
An	swer for Question No 23. is c
An	swer for Question No 24. is d
An	swer for Question No 25. is a
An	swer for Question No 26. is a
An	swer for Question No 27. is d
An	swer for Question No 28. is c
An	swer for Question No 29. is a
An	swer for Question No 30. is c

Answer for Question No 31. is a	
Answer for Question No 32. is b	
Answer for Question No 33. is a	
Answer for Question No 34. is a	
Answer for Question No 35. is c	
Answer for Question No 36. is b	
Answer for Question No 37. is b	
Answer for Question No 38. is c	
Answer for Question No 39. is b	
Answer for Question No 40. is a	
Answer for Question No 41. is b	
Answer for Question No 42. is c	
Answer for Question No 43. is d	
Answer for Question No 44. is c	
Answer for Question No 45. is d	

Ans	swer for Question No 46. is b
Ans	swer for Question No 47. is a
Ans	swer for Question No 48. is c
Ans	swer for Question No 49. is b
Ans	swer for Question No 50. is a
Ans	swer for Question No 51. is c
Ans	swer for Question No 52. is d
Ans	swer for Question No 53. is c
Ans	swer for Question No 54. is c
Ans	swer for Question No 55. is c
Ans	swer for Question No 56. is b
Ans	swer for Question No 57. is b
Ans	swer for Question No 58. is d
Ans	swer for Question No 59. is a
Ans	swer for Question No 60. is a

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which of them is a defect in timber?

A: Knots

B: Seasoning

C: Warping

D: tempering

Q.no 2. Out of the given options, which is not a defect in paints?

A : Blistering

B: Wrinkling

C: Flaking

Q.no 3. Suspended ceilings are _____ A: Suspended from top B: Suspended from corner C: Suspended from below D: suspended from door Q.no 4. Sole member in partitions is a _____ A: Horizontal member supporting Studs. B: Horizontal member topping Studs C: Cross member in the frame D: Wedge between walls and frames. Q.no 5. 'Studs' in partitions are _____ A: Horizontal members used in framings. B: Vertical members used in framings C: Cross members used in framings. D: Members supporting partitions from top Q.no 6. Which component is important in section active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 7. What is the function of drier in a varnish?

A: to accelerate process of drying

D: Foxiness

D : to impart liquidity to varnish
Q.no 8. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?
A : Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 9. Which type of varnishes dry slowly, but they form hard and durable surface?
A:Oil
B: Spirit
C: Water
D: Turpentine
Q.no 10. A reinforced-concrete floor construction not requiring beams and girders to transmit the floor load to supporting columns is called as
A : Flat slab
B : Waffle slab
C: RCC slab
D : Shear slab
Q.no 11. Pigment is mixed in paints to give desired
A: smoothness
B:color

B : to make the varnish durable

C: to give glossy finish to varnish

C: appearance
D : durability
Q.no 12. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block
D : Concrete grout
Q.no 13. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -
A : Dovetailed joint
B : Widening Joint
C : Tongued and Grooved Joint
D : Angle Joint
Q.no 14. In post-tensioning process, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : formwork is done
D : casting of column
Q.no 15. Which component is important in vector active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action

Q.no 16. Material used as insulator in double skin partitions is -A: Sheep wool B: Glass powder C: Glass wool D: Timber shavings Q.no 17. In pre-tensioned concrete, steel is pulled before -A: Concrete is poured B: Load is applied C: tension is appied D: casting of column Q.no 18. Which component is important in form active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 19. Flat slabs are mainly used for _____ A: Long span B: Medium spans C: Short spans D : Cantilever spans Q.no 20. In Bulk active structures, members those transmit compressive load vertically are____ A: Beam

B: Foundation

C : Column
D: Roof
Q.no 21. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A: Angle
B: Widening
C: Lapped
D : Oblique
Q.no 22. Which component is important in surface active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 23. Which joint is employed to extend the length of a member by joining two pieces of timber ?
A: Lapped
B: Angle
C: Lengthening
D : Bearing
Q.no 24. Out of the given options, which cannot be a reason to provide suspended ceiling?
A : hiding the service lines
B : For better natural light
C : For aesthetic purpose
D : for reducing the volume of space and load on A.C.

Q.no 25. The members those transfer load vertically in bulk active system are -A: Column and load bearing walls B: Beam and Slab C: Roof and purlin D: Girder and Rafter Q.no 26. Which type of varnish is a variety of French polish A: Oil Varnish B: Turpentine varnish C: Spirit Varnish D: Water varnish Q.no 27. The two members meeting at an angle can be joined by a -A: Bridle joint B: Oblique tenon joint C: Mitre joint D: Birds mouth joint Q.no 28. What is the base material for distemper? A: chalk B: sand C: clay

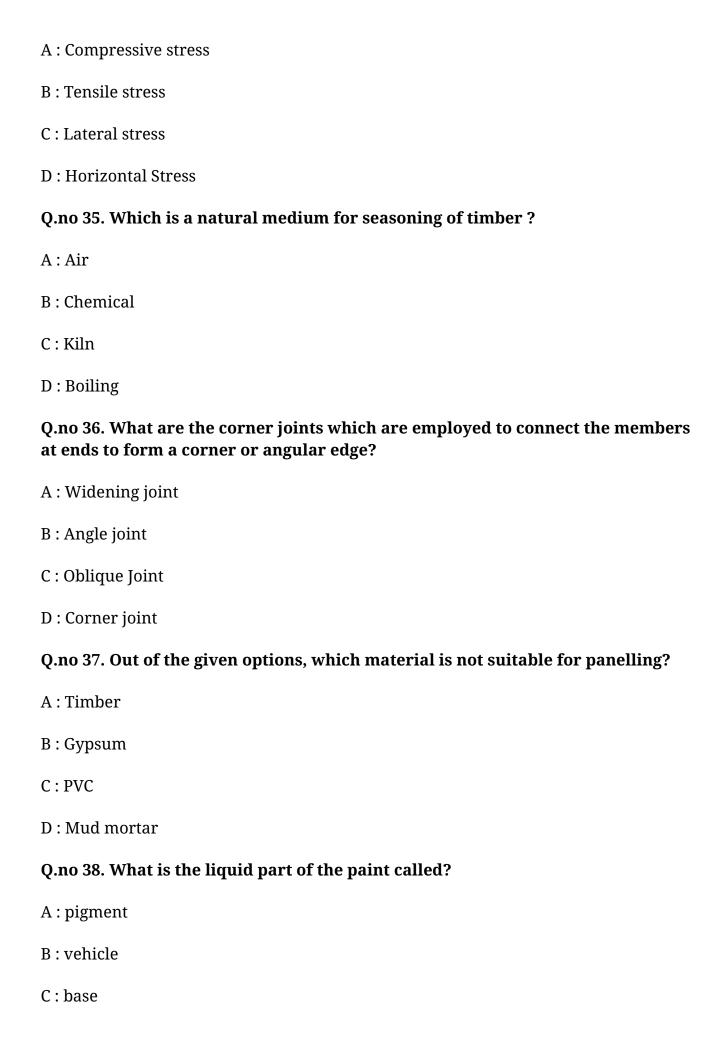
Q.no 29. Which type of partiiton is used for better sound insulation?

A: Single skin partitions

D: lime putty

B: Double skin partitions

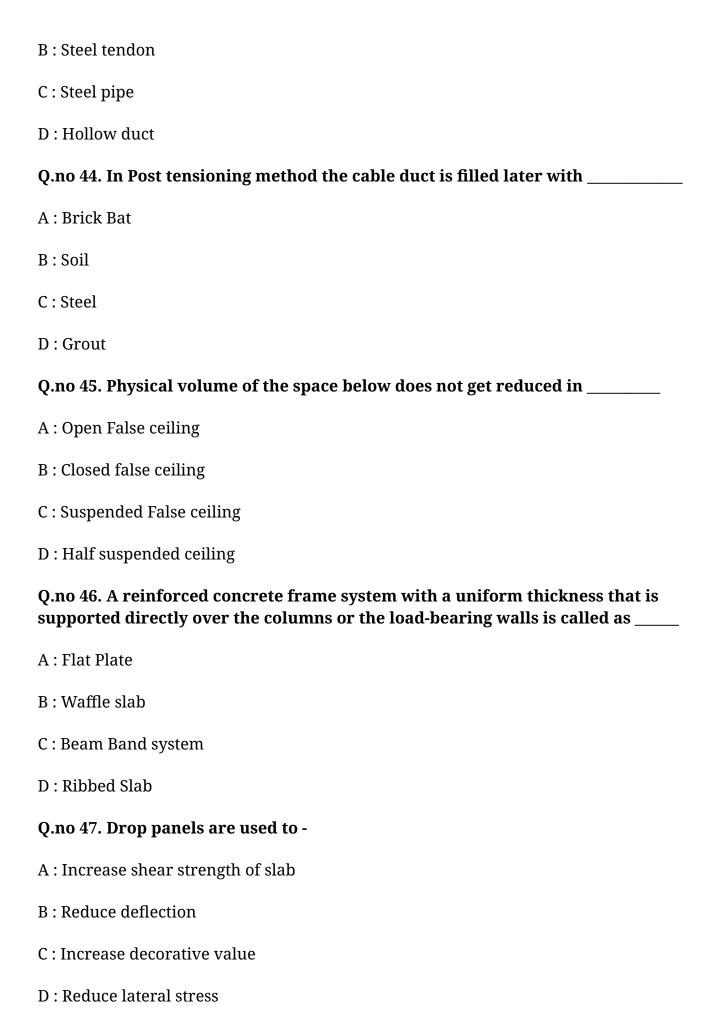
C : Partitions with glass louvers are used.
D : Louver Partition
Q.no 30. Ribbed slabs are mainly used where -
A : Floor to floor height is to reduced
B : Clear Soffit is required
C : Soffit is exposed
D : Soffit is enclosed
Q.no 31. Which one is not a step of timber processing?
A: Felling
B: Seasoning
C: Warping
D : Preservation
Q.no 32. Complicated formwork is used in -
A : Waffle Slab
B : Cantilever Slab
B : Cantilever Slab C : Flat Slab
C : Flat Slab
C : Flat Slab D : Flat Plate Q.no 33. Which defect is caused by water vapor which is trapped behind the
C : Flat Slab D : Flat Plate Q.no 33. Which defect is caused by water vapor which is trapped behind the painted surface?
C : Flat Slab D : Flat Plate Q.no 33. Which defect is caused by water vapor which is trapped behind the painted surface? A : Flaking
C: Flat Slab D: Flat Plate Q.no 33. Which defect is caused by water vapor which is trapped behind the painted surface? A: Flaking B: Fading



Q.no 39. Folded plate structure is one of type of -
A : Form active systems
B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 40. Arch is type of -
A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 41. Glass blocks in glass partitions are joined together by
A : Glass welding
B: Fevicol
C : Very thin fine sand cement mortar
D : Araldite
Q.no 42. Intrados of an arch means -
A: inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 43. In pre stressed concrete beam, tensile stress is taken care by

D: drier

A: Steel anchor



Q.no 48. Extrados of an arch means -A: inner curve of an arch B: Outer curve of an arch C: wedge shaped unit fixed at the crown of arch D: Pedestal of an arch Q.no 49. Electrical provisions can be easily installed in -A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 50. The appearance of Anticorrosive paint is in color is -A:Blue B: White C: Black D: Yellow Q.no 51. Soft wood Ply is made up from -A: Oak B: Beech C: Cedar D: Mahogany Q.no 52. What is the liquid medium used in Oil paints? A: thinner

B: alcohol

C: turpentine
D : linseed oil
Q.no 53. If 'L' is centre to centre distance between two columns, then Length of Drop panel is:
A : Half of length 'L'
B : One fourth of length 'L'
C : One third of length 'L'
D : One Fifth of length 'L'
Q.no 54. In post tensioning the member which pulls the cables is known as -
A : Hydraulic Jack
B: Steel bars
C : Steel pipe
D : Steel Reinforcement
Q.no 55. The structural design principles of continuous flat slab floors are similar to:
A : One way slab
B : Two way slab
C : Cantilever slab
D : Diagonal slab
Q.no 56. What is binding material gets used in Emulsion Paints?
A: Nitro cotton
B : Zinc white
C : White lead

A: water B: alcohol C: naptha D: acid Q.no 58. Pneumatic structures are based on _____ A: the use of trusses B: the use of structural frames C: the use of curvatures D: the use of air pressure Q.no 59. The hanging sections are used in suspended ceiling system are made up A: Aluminium B: Mild steel C: Galvanised steel D: Structural steel Q.no 60. At the supports, beams are designed to deal with ____ A: Shear stress B: Lateral stress C: Bending stress D: Compressive Stress

Q.no 57. Which liquid medium is used to prepare solution of resin for making

varnish?

Answer for Question No 1. is a
Answer for Question No 2. is d
Answer for Question No 3. is a
Answer for Question No 4. is a
Answer for Question No 5. is b
Answer for Question No 6. is c
Answer for Question No 7. is a
Answer for Question No 8. is d
Answer for Question No 9. is a
Answer for Question No 10. is a
Answer for Question No 11. is b
Answer for Question No 12. is a
Answer for Question No 13. is a
Answer for Question No 14. is b
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An	swer for Question No 16. is c
An	swer for Question No 17. is a
An	swer for Question No 18. is b
An	swer for Question No 19. is b
An	swer for Question No 20. is c
An	swer for Question No 21. is b
An	swer for Question No 22. is d
An	swer for Question No 23. is c
An	swer for Question No 24. is b
An	swer for Question No 25. is a
An	swer for Question No 26. is c
An	swer for Question No 27. is c
An	swer for Question No 28. is a
An	swer for Question No 29. is b
An	swer for Question No 30. is c

Answer for Question No 31. is c	
Answer for Question No 32. is a	
Answer for Question No 33. is c	
Answer for Question No 34. is a	
Answer for Question No 35. is a	
Answer for Question No 36. is b	
Answer for Question No 37. is d	
Answer for Question No 38. is b	
Answer for Question No 39. is b	
Answer for Question No 40. is a	
Answer for Question No 41. is c	
Answer for Question No 42. is a	
Answer for Question No 43. is b	
Answer for Question No 44. is d	
Answer for Question No 45. is a	

Ans	swer for Question No 46. is a
Ans	swer for Question No 47. is a
Ans	swer for Question No 48. is b
Ans	swer for Question No 49. is a
Ans	swer for Question No 50. is c
Ans	swer for Question No 51. is c
Ans	swer for Question No 52. is d
Ans	swer for Question No 53. is c
Ans	swer for Question No 54. is a
Ans	swer for Question No 55. is b
Ans	swer for Question No 56. is d
Ans	swer for Question No 57. is b
Ans	swer for Question No 58. is d
Ans	swer for Question No 59. is a
Ans	swer for Question No 60. is a
-	

Total number of questions: 60

10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
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- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Which component is important in form active systems?

A: vector forces in members

B: profile, shape and form

C: Sectional depths of the components

D: surface action

Q.no 2. In pre-tensioned concrete, steel is pulled before -

A: Concrete is poured

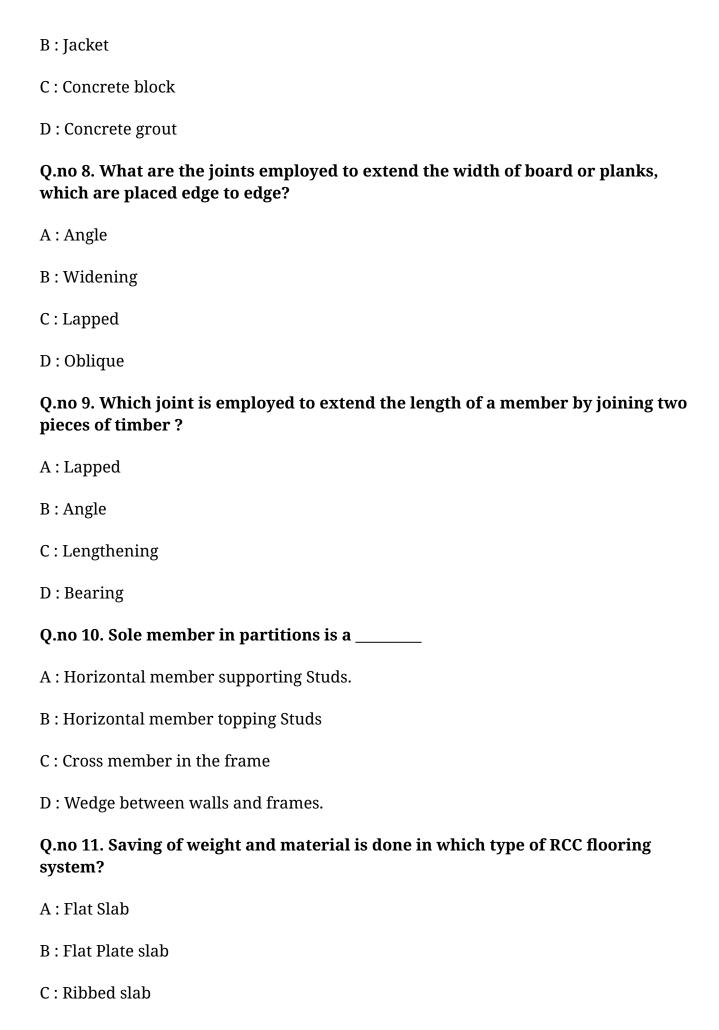
B: Load is applied

C: tension is appied

Q.no 3. Pigment is mixed in paints to give desired _____. A: smoothness B:color C: appearance D: durability Q.no 4. 'Studs' in partitions are _____ A: Horizontal members used in framings. B: Vertical members used in framings C: Cross members used in framings. D: Members supporting partitions from top Q.no 5. In Bulk active structures, members those transmit compressive load vertically are____ A: Beam B: Foundation C: Column D: Roof Q.no 6. Out of the given options, which is not a defect in paints? A: Blistering B: Wrinkling C: Flaking D: Foxiness Q.no 7. In Prestressing, the tendons are tensioned against -

A: Abutment

D: casting of column



D: Band beam system

Q.no 12	. Which	type	of varni	shes di	y slowly	, but they	form	hard ar	ıd dı	ırable
surface	?									

A:Oil

B: Spirit

C: Water

D: Turpentine

Q.no 13. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?

A: Scarfed

B: Spliced

C: Mortise and tenon

D: Lapped

Q.no 14. What is the function of drier in a varnish?

A: to accelerate process of drying

B: to make the varnish durable

C: to give glossy finish to varnish

D: to impart liquidity to varnish

Q.no 15. Which of them is a defect in timber?

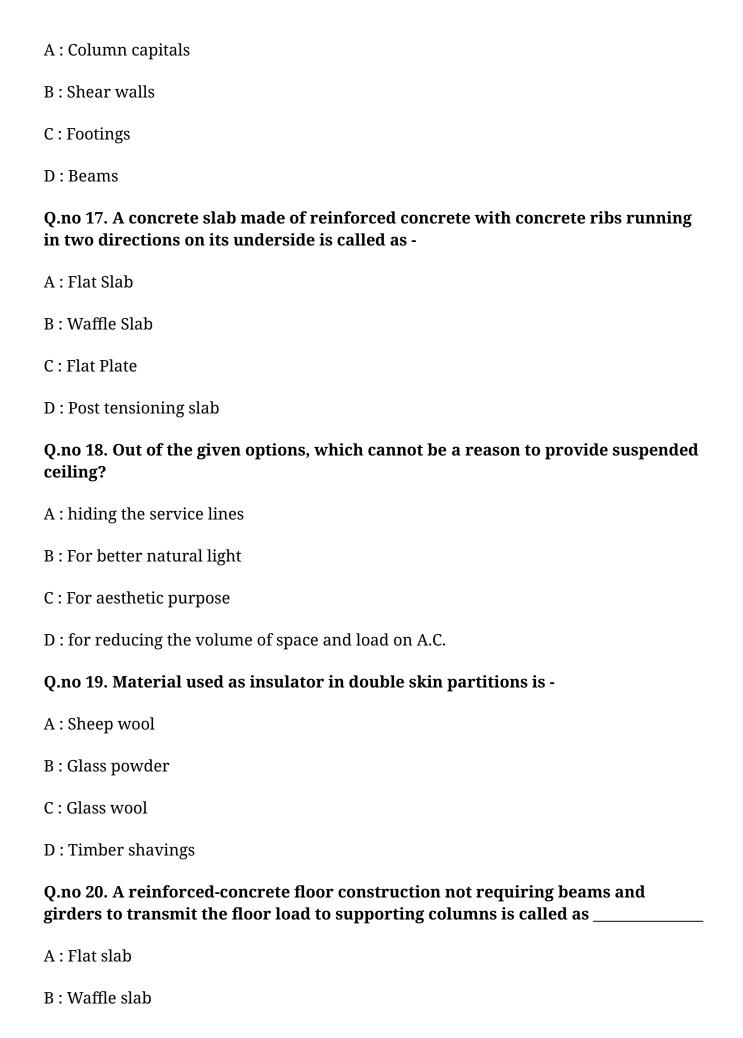
A: Knots

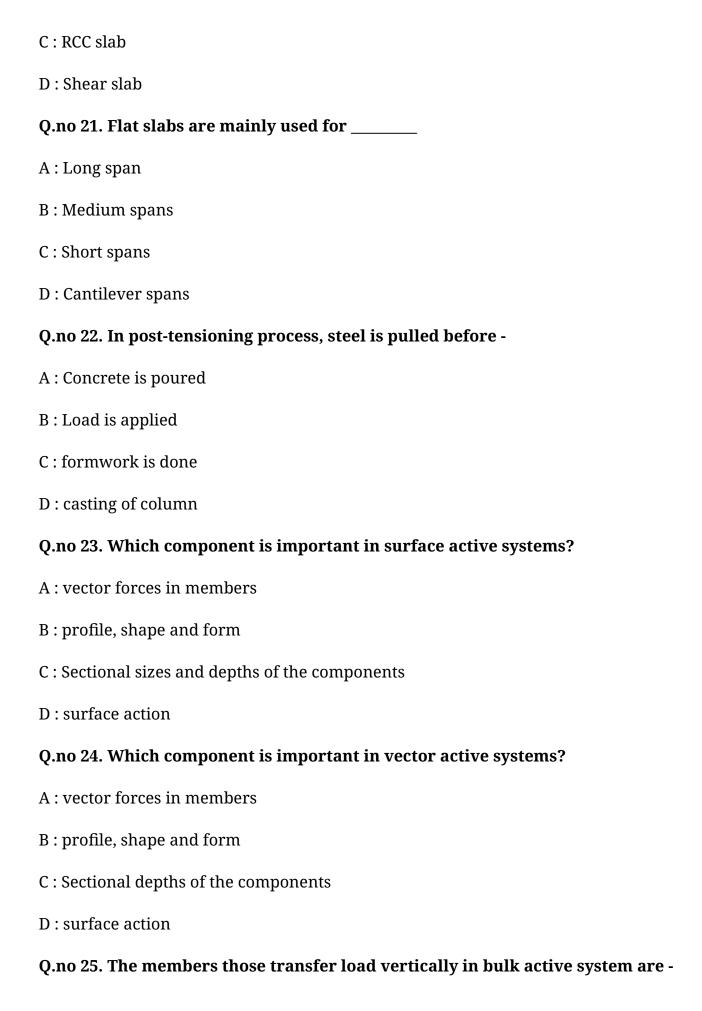
B: Seasoning

C: Warping

D: tempering

Q.no 16. Which structural element is absent in Flat Slab construction?

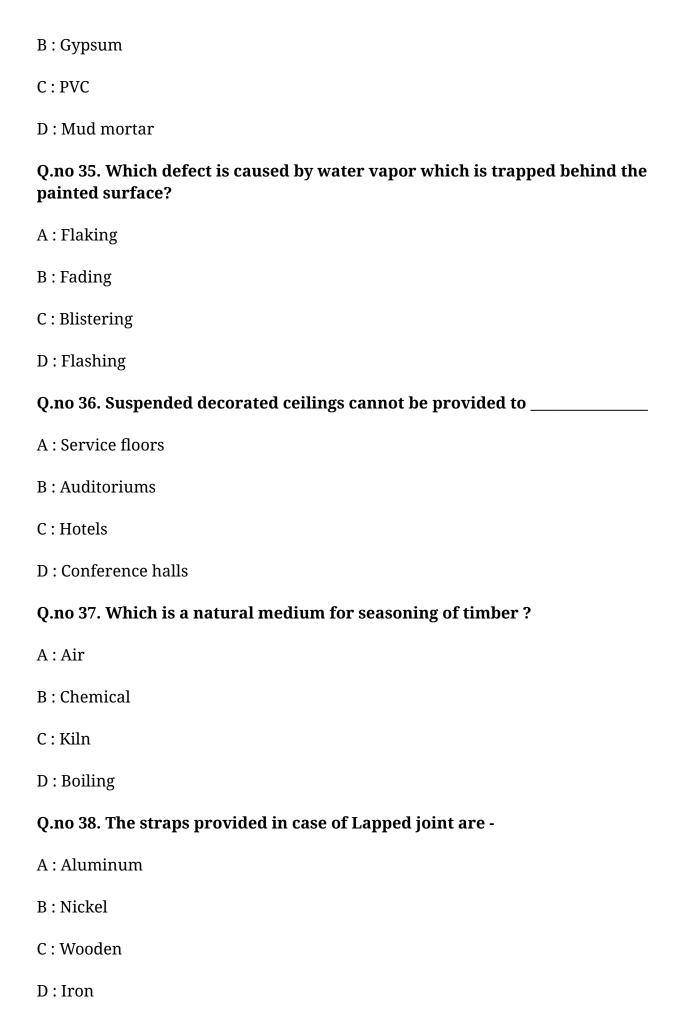




A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 26. Intrados of an arch means -
A: inner curve of an arch
B : Outer curve of an arch
C : wedge shaped unit fixed at the crown of arch
D : Pedestal of an arch
Q.no 27. Complicated formwork is used in -
A : Waffle Slab
B : Cantilever Slab
C : Flat Slab
D : Flat Plate
Q.no 28. In pre stressed concrete beam, tensile stress is taken care by
A: Steel anchor
B : Steel tendon
C: Steel pipe
D : Hollow duct
Q.no 29. Physical volume of the space below does not get reduced in
A : Open False ceiling
B : Closed false ceiling
C : Suspended False ceiling

D : Half suspended ceiling
Q.no 30. Folded plate structure is one of type of -
A : Form active systems
B : Surface active systems
C : Vector active systems
D : Section active system
Q.no 31. The two members meeting at an angle can be joined by a -
A : Bridle joint
B : Oblique tenon joint
C: Mitre joint
D : Birds mouth joint
Q.no 32. A reinforced concrete frame system with a uniform thickness that is supported directly over the columns or the load-bearing walls is called as
A : Flat Plate
B : Waffle slab
C : Beam Band system
D : Ribbed Slab
Q.no 33. What is the base material for distemper?
A: chalk
B: sand
C: clay
D : lime putty
Q.no 34. Out of the given options, which material is not suitable for panelling?

A: Timber

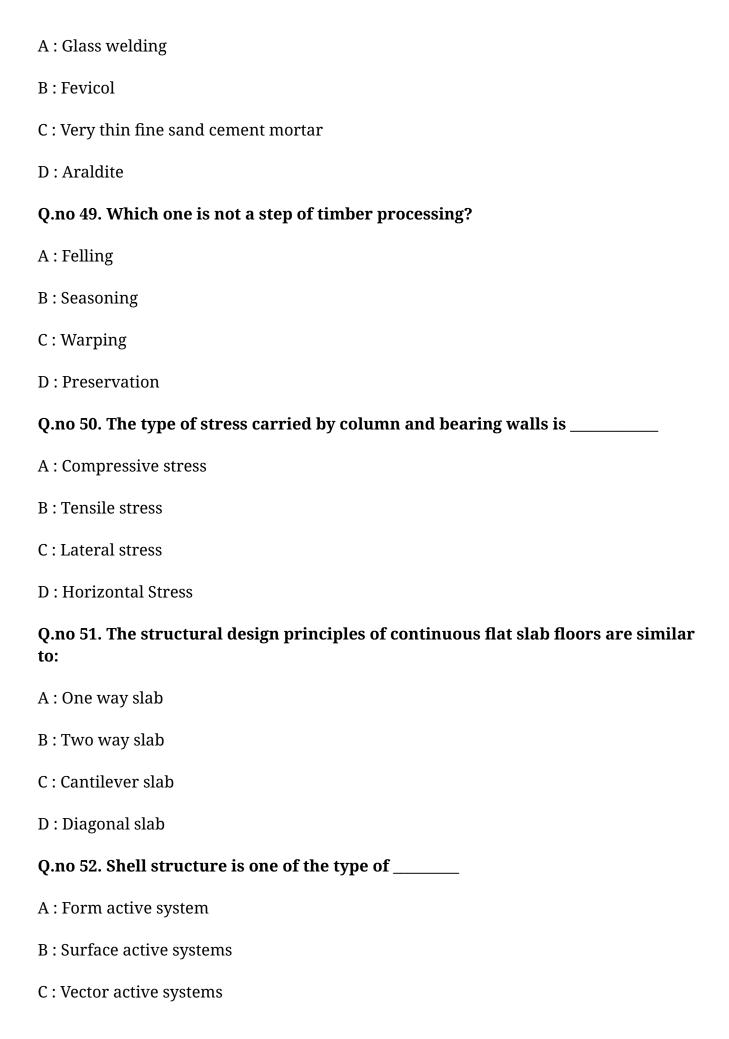


A: waffle slab B: Flat slab C: Flat plate slab D: two way slab Q.no 40. Ribbed slabs are mainly used where -A: Floor to floor height is to reduced B: Clear Soffit is required C: Soffit is exposed D: Soffit is enclosed Q.no 41. In Segmental Arch, the center of n arch lies_____ A: below the springing line B: above the springing line C: on the springing line D: above one third portion of springing line Q.no 42. In Post tensioning method the cable duct is filled later with _____ A: Brick Bat B: Soil C: Steel D: Grout Q.no 43. Which type of varnish is a variety of French polish A: Oil Varnish

Q.no 39. Electrical provisions can be easily installed in -

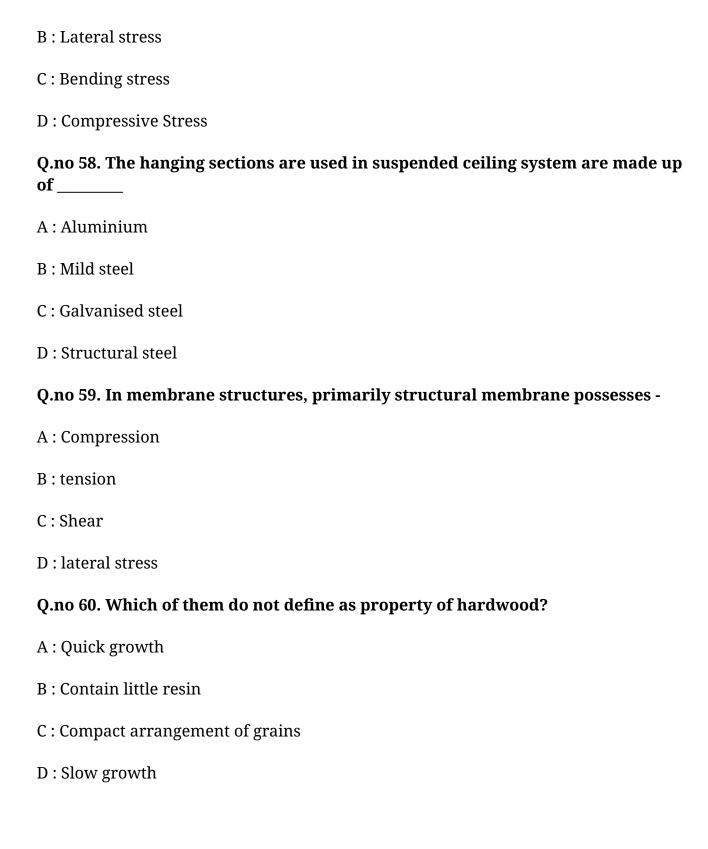
B: Turpentine varnish

C : Spirit Varnish
D : Water varnish
Q.no 44. Which capacity of slab increases due to flat slab construction?
A : Tensile capacity
B : Shear Capacity
C : Compressive capacity
D : Lateral capacity
Q.no 45. Drop panels are used to -
A : Increase shear strength of slab
B : Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 46. What are the corner joints which are employed to connect the members at ends to form a corner or angular edge?
A : Widening joint
B : Angle joint
C : Oblique Joint
D : Corner joint
Q.no 47. Arch is type of -
A : self-supporting compressive structure
B : self-supporting tensile structure
C : Surface active structure
D : Vector active structure
Q.no 48. Glass blocks in glass partitions are joined together by



Q.no 53. In post tensioning the member which pulls the cables is known as -
A : Hydraulic Jack
B : Steel bars
C : Steel pipe
D : Steel Reinforcement
Q.no 54. Which liquid medium is used to prepare solution of resin for making varnish?
A: water
B: alcohol
C: naptha
D: acid
Q.no 55. 3D trusses are also called as
A : Flat trusses
B: Curved
C: Prismatic
D : Space
Q.no 56. Row of arches in continuation is called as
A : Curvature
B : Façade
C: Arcade
D : Keystone
Q.no 57. At the supports, beams are designed to deal with
A : Shear stress

D : Section active system



Answer for Question No 1. is b
Answer for Question No 2. is a
Answer for Question No 3. is b
Answer for Question No 4. is b
Answer for Question No 5. is c
Answer for Question No 6. is d
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Answer for Question No 25. is a	
Answer for Question No 26. is a	
Answer for Question No 27. is a	
Answer for Question No 28. is b	
Answer for Question No 29. is a	
Answer for Question No 30. is b	

Ar	nswer for Question No 31. is c
Ar	nswer for Question No 32. is a
Ar	nswer for Question No 33. is a
Ar	nswer for Question No 34. is d
Ar	nswer for Question No 35. is c
Ar	nswer for Question No 36. is a
Ar	nswer for Question No 37. is a
Ar	nswer for Question No 38. is d
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Ar	nswer for Question No 40. is c
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Ar	nswer for Question No 42. is d
Ar	nswer for Question No 43. is c
Ar	nswer for Question No 44. is b
Ar	nswer for Question No 45. is a
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Ans	wer for Question No 46. is b
Ans	wer for Question No 47. is a
Ans	wer for Question No 48. is c
Ans	wer for Question No 49. is c
Ans	wer for Question No 50. is a
Ans	wer for Question No 51. is b
Ans	wer for Question No 52. is b
Ans	wer for Question No 53. is a
Ans	wer for Question No 54. is b
Ans	wer for Question No 55. is c
Ans	wer for Question No 56. is c
Ans	wer for Question No 57. is a
Ans	wer for Question No 58. is a
Ans	wer for Question No 59. is b
Ans	wer for Question No 60. is a
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10034_BUILDING TECHNOLOGY AND MATERIALS V

Time: 1hr

Max Marks: 50

N.B

- 1) All questions are Multiple Choice Questions having single correct option.
- 2) Attempt any 50 questions out of 60.
- 3) Use of calculator is allowed.
- 4) Each question carries 1 Mark.
- 5) Specially abled students are allowed 20 minutes extra for examination.
- 6) Do not use pencils to darken answer.
- 7) Use only black/blue ball point pen to darken the appropriate circle.
- 8) No change will be allowed once the answer is marked on OMR Sheet.
- 9) Rough work shall not be done on OMR sheet or on question paper.
- 10) Darken ONLY ONE CIRCLE for each answer.

Q.no 1. Out of the given options, which cannot be a reason to provide suspended ceiling?

A: hiding the service lines

B: For better natural light

C: For aesthetic purpose

D : for reducing the volume of space and load on A.C.

Q.no 2. In Bulk active structures ,members those transmit compressive load vertically are_____

A: Beam

B: Foundation

C : Column
D: Roof
Q.no 3. Which joint is formed by putting the two timber pieces one over the other from a short distance and the binding them together by means of iron straps or Stirrups?
A: Scarfed
B: Spliced
C : Mortise and tenon
D : Lapped
Q.no 4. Which component is important in form active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional depths of the components
D : surface action
Q.no 5. What are the joints employed to extend the width of board or planks, which are placed edge to edge?
A: Angle
B: Widening
C: Lapped
D : Oblique
Q.no 6. In Prestressing, the tendons are tensioned against -
A : Abutment
B: Jacket
C : Concrete block
D : Concrete grout

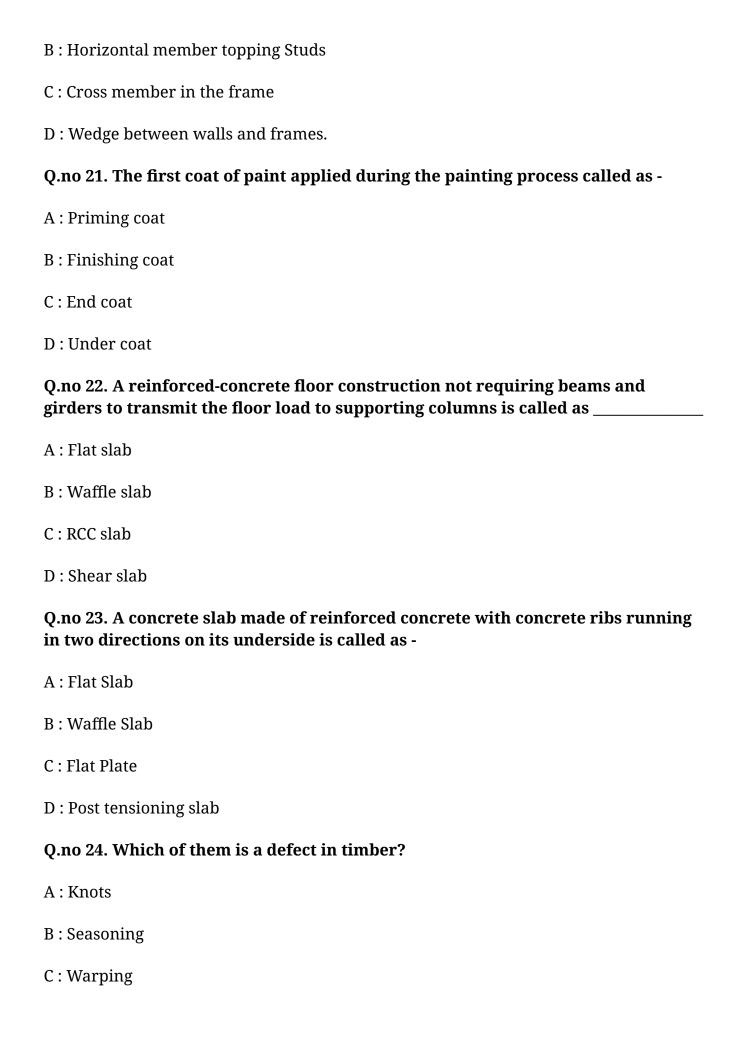
Q.no 7. Pigment is mixed in paints to give desired _____. A: smoothness B:color C: appearance D: durability Q.no 8. Which component is important in vector active systems? A: vector forces in members B: profile, shape and form C: Sectional depths of the components D: surface action Q.no 9. Which joint is employed to extend the length of a member by joining two pieces of timber? A: Lapped B: Angle C: Lengthening D : Bearing Q.no 10. Which component is important in surface active systems? A: vector forces in members B: profile, shape and form C: Sectional sizes and depths of the components D: surface action Q.no 11. Saving of weight and material is done in which type of RCC flooring system?

A: Flat Slab

B : Flat Plate slab
C : Ribbed slab
D : Band beam system
Q.no 12. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board is called as -
A : Dovetailed joint
B : Widening Joint
C : Tongued and Grooved Joint
D : Angle Joint
Q.no 13. Material used as insulator in double skin partitions is -
A : Sheep wool
B : Glass powder
C : Glass wool
D : Timber shavings
Q.no 14. Which structural element is absent in Flat Slab construction?
A : Column capitals
B: Shear walls
C: Footings
D : Beams
Q.no 15. Which type of varnishes dry slowly, but they form hard and durable surface?
A:Oil
B: Spirit
C: Water

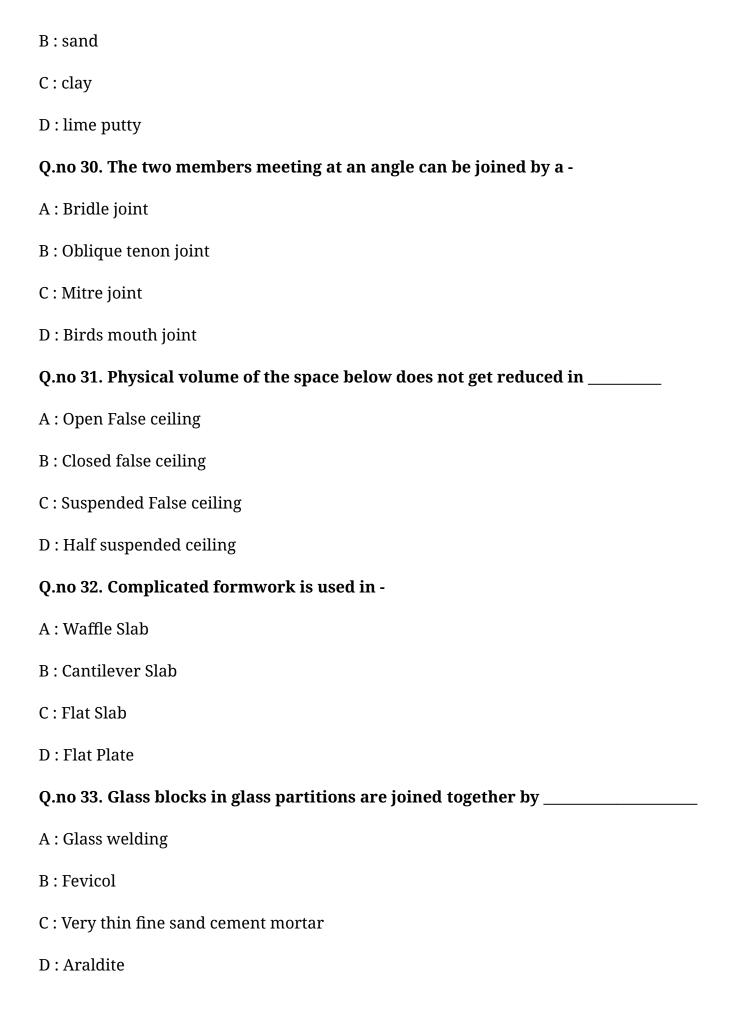
Q.no 16. In post-tensioning process, steel is pulled before -
A : Concrete is poured
B : Load is applied
C : formwork is done
D : casting of column
Q.no 17. Which component is important in section active systems?
A : vector forces in members
B : profile, shape and form
C : Sectional sizes and depths of the components
D : surface action
Q.no 18. 'Studs' in partitions are
A : Horizontal members used in framings.
B : Vertical members used in framings
C : Cross members used in framings.
D : Members supporting partitions from top
Q.no 19. The members those transfer load vertically in bulk active system are -
A : Column and load bearing walls
B : Beam and Slab
C : Roof and purlin
D : Girder and Rafter
Q.no 20. Sole member in partitions is a
A : Horizontal member supporting Studs.

D: Turpentine



Q.no 25. What is the function of drier in a varnish?
A : to accelerate process of drying
B : to make the varnish durable
C : to give glossy finish to varnish
D : to impart liquidity to varnish
Q.no 26. Suspended decorated ceilings cannot be provided to
A : Service floors
B : Auditoriums
C: Hotels
D : Conference halls
Q.no 27. Out of the given options, which material is not suitable for panelling?
A: Timber
B: Gypsum
C: PVC
D : Mud mortar
Q.no 28. Which type of partiiton is used for better sound insulation?
A : Single skin partitions
B : Double skin partitions
C : Partitions with glass louvers are used.
D : Louver Partition
Q.no 29. What is the base material for distemper?
A: chalk

D: tempering



Q.no 34. Arch is type of -

A : self-supporting compressive structure

B : self-supporting tensile structure

C: Surface active structure

D: Vector active structure

Q.no 35. Which is a natural medium for seasoning of timber?

A: Air

B: Chemical

C: Kiln

D: Boiling

Q.no 36. Which type of varnish is a variety of French polish

A: Oil Varnish

B: Turpentine varnish

C : Spirit Varnish

D: Water varnish

Q.no 37. Ribbed slabs are mainly used where -

A: Floor to floor height is to reduced

B: Clear Soffit is required

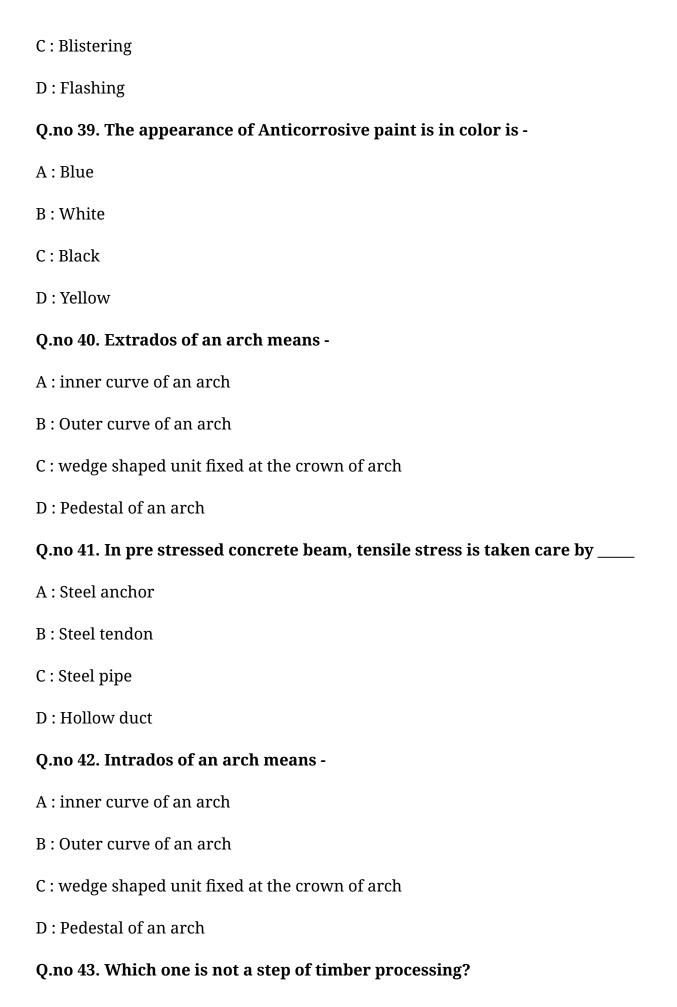
C: Soffit is exposed

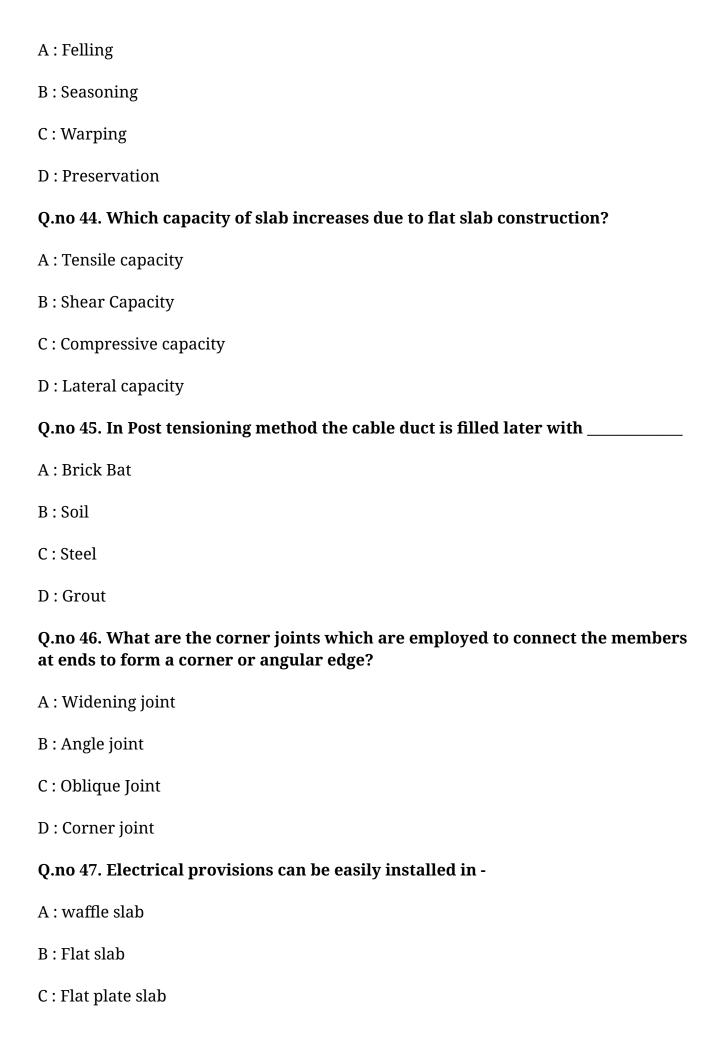
D: Soffit is enclosed

Q.no 38. Which defect is caused by water vapor which is trapped behind the painted surface?

A: Flaking

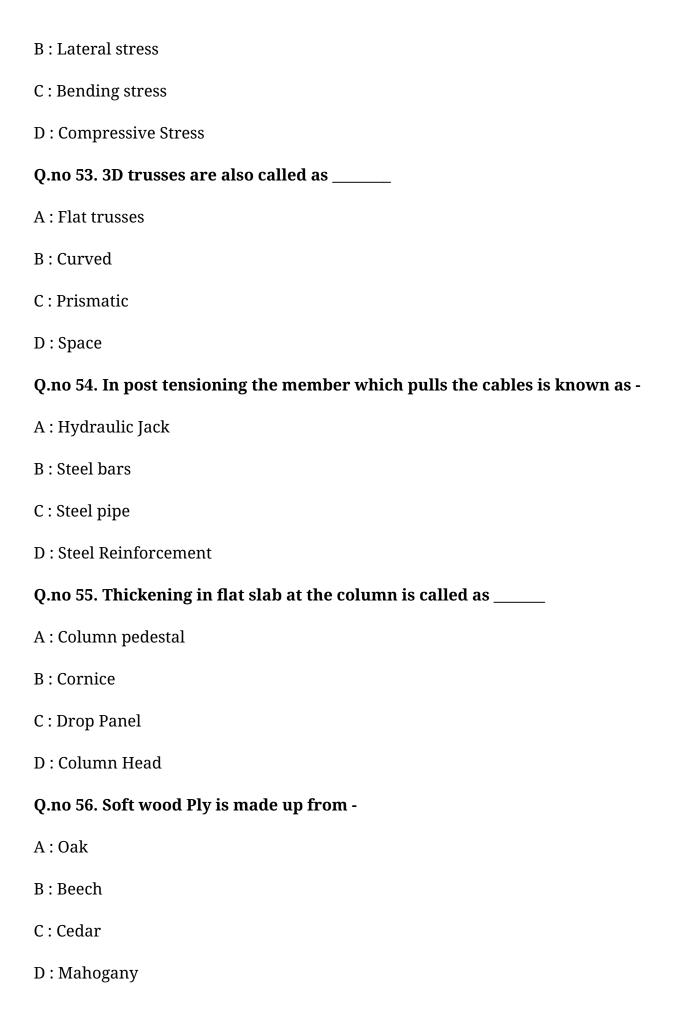
B: Fading





Q.no 48. Drop panels are used to -
A : Increase shear strength of slab
B: Reduce deflection
C : Increase decorative value
D : Reduce lateral stress
Q.no 49. The straps provided in case of Lapped joint are -
A: Aluminum
B: Nickel
C: Wooden
D: Iron
Q.no 50. The type of stress carried by column and bearing walls is
A : Compressive stress
B: Tensile stress
C: Lateral stress
D : Horizontal Stress
Q.no 51. Row of arches in continuation is called as
A: Curvature
B: Façade
C: Arcade
D : Keystone
Q.no 52. At the supports, beams are designed to deal with
A : Shear stress

D: two way slab



Q.no 57. Dynamic Loads are considered for_____ A: Swimming pools B: water tanks C: Bridges D: Basement structures Q.no 58. What is binding material gets used in Emulsion Paints? A: Nitro cotton B: Zinc white C: White lead D: Polyvinyl acetate Q.no 59. Which of them do not define as property of hardwood? A: Quick growth B: Contain little resin C: Compact arrangement of grains D: Slow growth Q.no 60. In membrane structures, primarily structural membrane possesses -A: Compression B: tension C: Shear D: lateral stress

Answer for Question No 1. is b
Answer for Question No 2. is c
Answer for Question No 3. is d
Answer for Question No 4. is b
Answer for Question No 5. is b
Answer for Question No 6. is a
Answer for Question No 7. is b
Answer for Question No 8. is a
Answer for Question No 9. is c
Answer for Question No 10. is d
Answer for Question No 11. is c
Answer for Question No 12. is a
Answer for Question No 13. is c
Answer for Question No 14. is d
Answer for Question No 15. is a

Ans	swer for Question No 16. is b
Ans	swer for Question No 17. is c
Ans	swer for Question No 18. is b
Ans	swer for Question No 19. is a
Ans	swer for Question No 20. is a
Ans	swer for Question No 21. is a
Ans	swer for Question No 22. is a
Ans	swer for Question No 23. is b
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Ans	swer for Question No 25. is a
Ans	swer for Question No 26. is a
Ans	swer for Question No 27. is d
Ans	swer for Question No 28. is b
Ans	swer for Question No 29. is a
Ans	swer for Question No 30. is c

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An	swer for Question No 33. is c
An	swer for Question No 34. is a
An	swer for Question No 35. is a
An	swer for Question No 36. is c
An	swer for Question No 37. is c
An	swer for Question No 38. is c
An	swer for Question No 39. is c
An	swer for Question No 40. is b
An	swer for Question No 41. is b
An	swer for Question No 42. is a
An	swer for Question No 43. is c
An	swer for Question No 44. is b
An	swer for Question No 45. is d
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An	swer for Question No 46. is b
An	swer for Question No 47. is a
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