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Q:) What is the average particle size of cement?

A : 15 microns

B : 45 microns

C : 75 microns

D : 100 microns



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Q:) Which of the below mentioned is not a result of field test performed on cement?

A : There should not be any lumps

B : It should feel cold when you put your hand in bag of cement

C : The colour should be blackish grey

D : It should not be gritty when rubbed with finger



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Q:) Use of coarser cement particles leads to:

A : Low durability

B : Higher strength

C : Low consistency

D : Higher soundness



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Q:) What is the depth the needle in Vicat apparatus should penetrate into the cement paste in consistency test?

A : 33-35 cm from bottom of the mould

B : 33-35 mm from top of the mould

C : 33-35 cm from top of the mould

D : 33-35 mm from bottom of the mould



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Q:) Deficiency of lime in cement leads to:

A : Unsound cement

B : Disintegration of cement

C : Quick setting of cement

D : Expansion of cement



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Q:) What effect does calcium sulphate have on cement?

A : Retards setting action

B : Acts as flux

C : Imparts colour

D : Reduces strength



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Q:) Which of the following adds a quick-setting property to cement?

A : Magnesium oxide

B : Silicon dioxide

C : Iron oxide

D : Aluminium oxide



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Q:) Excess of Alkali in cement results in:

A : Dry cement paste

B : Efflorescence

C : Less plasticity

D : Unsound cement



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Q:) Sulphur in cement is present in what amount?

A : 0.5 – 6 g

B : 1 – 2.5%

C : 0.5 – 6%

D : 1 – 2.5g



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Q:) What is the advantage of using precalciner?

A : Fine grained cement

B : Larger clinker size

C : Fuel efficiency

D : Sound cement



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Q:) Which of the following is not an advantage of rapid hardening cement?

A : Faster construction

B : Short curing period

C : Light in weight

D : Higher final setting time



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Q:) What property does air-entraining cement provide?

A : Workability

B : Soundness

C : Fineness

D : Strength

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Q:) Which pair of the compound and coloured cement mentioned below is wrong?

A : Iron oxide-yellow

B : Cobalt-black

C : Chromium oxide-green

D : Manganese dioxide-brown



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Q:) Water proof cement is prepared by mixing ordinary cement with:

A : Resins

B : Water repellent chemicals

C : Sulpho-aminates

D : Metal stearates



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Q:) Grade 43 OPC is used widely for:

A : High rise buildings

B : Plastering

C : House construction

D : Finishing works



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Q:) What is the required minimum fineness for grade 53 OPC?

A : 370 m²/kg

B : 370 cm²/g

C : 580 m²/kg

D : 580 cm²/g



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Q:) In what form should lime be present in the brick earth?

A : Paste

B : Lump

C : Clinker

D : Powder

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Q:) What happens to raw bricks if an excess of alumina is present?

A : Becomes hard

B : Becomes brittle

C : Decay

D : Shrinkage



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Q:) Why do bricks become brittle when excess silica is present?

A : Pores are created

B : Flaking occurs

C : Thermal stability is lost

D : Cohesion is lost



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Q:) Which of the following leads to the formation of small pores in brick?

A : Iron pyrites

B : Pebbles

C : Organic matter

D : Alkalis



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Q:) 1Loamy, mild or sandy clay has _____ percentage of alkali?

A : 5%

B : 1%

C : 4%

D : 0%

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Q:) Which one of the below is the first step in the preparation of brick earth process?

A : Digging

B : Site selection

C : Cleaning

D : Unsoiling



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Q:) The process of kneading brick earth is called:

A : Pugging

B : Blending

C : Ramming

D : Tamping

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Q:) How many methods of moulding brick earth are there?

A : 3

B : 5

C : 2

D : 4

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Q:) The meaning of slop moulded bricks is:

A : Sand sprinkled inside mould

B : Insufficiently moulded bricks

C : Brittle and slimy bricks

D : Mould dipped in water



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Q:) Which of the following bricks is not preferred?

A : Sharp-edged

B : Clamp burned

C : Sound-proofed

D : Kiln burned



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Q:) Which of the below is used to sound proof bricks?

A : Gypsum

B : Terracotta

C : Plastics

D : Ceramic

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Q:) Unburnt bricks are also called:

A : Dry bricks

B : Clayey bricks

C : Kucha bricks

D : Clamp bricks



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Q:) First class bricks are used for:

A : Brick ballast in R.C.C

B : Boundary walls

C : Low height walls

D : Pavements



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Q:) What is the speciality of FALG bricks?

A : Are composed of agricultural waste

B : Round in shape

C : Economic alternative to clay bricks

D : Widely used in masonry work



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