Basavarajeswari Group of Institutions

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

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USN						Course Code	2	1	A	C	\mathbf{V}	3	8	1

Third Semester B.E. Degree Examinations, April/May 2023

		•	& CONSTRUCTION									
Durati	on: 1 hr	G MIII DIGIIDS		Max. Marks: 50								
Note:	 All questions are comput Darkening two circles for Damaging/overwriting us 	the same question marks t	he answer invalid	ball point pen								
Q. No	No Question											
1												
2	The standard size of brick without mortar is											
	A) (200×100×100) mm	B) (190×90×90) mm	C) $(190 \times 9 \times 9)$ cm	D) (19×90×90) mm								
3	Water absorption percentage by weight for first class & second-class bricks should not be											
	A) >20% and >22%	B) =20% & >22%	C) < 20% & < 22%	D) < 22% & =20%								
4	The process of grinding clay with water and making it plastic is known as											
			C) Pugging									
5	A mark or an indentation or depression of depth about 10mm to 20mm made on the top face of raw brick during moulding is known as											
6	A) Strike Efflorescence of brick ind	B) Clamp dicates deposition or presentation	C) Kiln ence of	D) Frog								
7			C) brown patches on bricks rick earth is to impart	, , ,								
		· · · · · · · · · · · · · · · · · · ·	C) Yellow tint & Red colour	D) Red colour & Yellow tint								
8	The bricks obtained from	Plastic Clay Machines an	re also called as									
	A) Pressed Bricks B)	Table Moulded Bricks	C) Wire Cut Bricks	D) All of the these								
9	In, the draught rises in the upward direction from bottom of kiln and brings about the burning of bricks.											
	A) Intermittent up- draught kiln	draught kiln	C) Tunnel draught kiln	,								
10	Stones are washed first w with solution of	rith silicate of potash & or	n drying calcium chloride	is applied over stones								
11	A) Alum & Soap	B) Szerelmy's Liquid	C) Barium Hydroxide	D) None of these								
11	The construction of build A) Plastering	B) Mortar Masonry	C) Pointing	D) Masonry								
12	, .	· · · · · · · · · · · · · · · · · · ·	in successive courses is te	•								
	A) Lap	B) Queen closer	C) Perpend	D) King closer								

13	The edge formed by the intersection of plane surfaces of brick is called									
	A) Quion	B) Corner	C) Bed joint	D) Arrises						
14	A neat appearance of the A) Ashlar Chamfered Masonry	e grooved joints is obtain B) Ashlar Fine Masonry	C) Ashlar Facing							
15	An arrangement of laye	rs of bricks or stones by	which no continuous verti	ical joints are formed, is						
	known as A) Bond	, ·	C) Closer	/ *						
16	A) Dutch bond	B) Single Flemish bond	ate headers and stretchers i C) English bond	D) Flemish bond						
17	In type of	construction, the stones	of irregular sizes are used.							
			C) Rubble Masonry							
18	Intype of	construction, only 2 ston	es are used to make height	of one course						
	,	B) Coursed rubble masonry II sort	C) Coursed rubble masonry I sort	D) All of the above						
19	is made of s	tones with irregular shape	e of lumps or nodules of sil	ica on stone surface.						
	A) Ashlar chamfered masonry	· · · · · · · · · · · · · · · · · · ·	C) Polygonal rubble masonry	*						
20	A) Lintel	B) Wall	exceeds four times the thic C) Column	D) None of these						
21	A lintel is thus a sort of	beam in which width will	l be equal to the							
	<i>'</i>	<i>'</i>	C) width of the roof	· · · · · · · · · · · · · · · · · · ·						
22	the minimum on the foll	owing considerations	which it is inserted in the su							
23	If timber lintels are stren	ngthened by MS plates at	top and bottom, they are k	nown as						
		• •	C) Flitched lintels							
24	is provided for	or beam having greater sp	an.							
	A) Chajja	B) Canopy	C) Haunch	D) Both B & C						
25	• •		en brick lintel is provided v	with reinforcement.						
26	,	False	0 .1 1	1 11 1						
26	asr		as& the end suppo	orts of an arch are called						
	A) Abutments & Voussoirs	B) Abutments & Piers	C) Piers & Voussoirs	D) Piers & Abutments						
27	The inclined or splayed which the arch springs is		which is prepared to receiv	e the arch and from						
	A) Springing point	B) Skewback	C) Arcade	D) Spandrel						
28	The solid construction b	etween the plinth level ar	nd roof level is known as_							
	A) Flooring	B) Plinth base	C) Super structure	D) Sub-structure						
29	Row of arches supporting	ng a wall and being suppo	orted by piers is called							
	/ 1	B) Arcade	,	Centre						
30	protection to the buildin	g against rain, heat, snow		-						
	A) Roof	B) Canopy	C) Balcony	D) None of these						

the shutters are fixed.	n assembly of norizontal and	vertical members forming	g an enclosure to which
	B) Secondary shutter	C) Frame	D) Both A & C
	ecured in a wall opening whi		
is known as A) Window	B) Door	C) Balcony	D) All of the above
Series of steps suitably known as	y arranged for the purpose of	f connecting different floor	rs of a building is
A) Stair	B) Stair-case	C) Stairway	D) All of the above
is an unb	oroken series of steps between	n the landings.	
(a) Going	B) Run	C) Stairway	D) Flight
The horizontal project wall opening is	tions of the head and sill of	a frame to facilitate the fix	ting of the frame on the
A) Holdfast	B) Horn	C) Rebate	D) Bearing
he horizontal platfor	m between two flights of a s	tair is known as the	
A) Landing	B) Head room		D) Tread
	temporary structure to support walls is called as		structure and provides
A) Formwork	B) Shuttering	C) Shoring	D) Underpinning
·	between two successive treac	· -	, 1
A) Riser	B) Rise	C) Tread	D) String
he entire assembly o	f styles, panels and rails is k	nown as the	
A) Shutter		· · · · · · · · · · · · · · · · · · ·	D) Mullion
The vertical member andrails is known as	which is placed at the end	ds of flights to connect t	he ends of strings and
A) Primary String	B) Baluster	C) Rise	D) Newel post
	ne or more local swellings o		
A) Grinning	B) Blistering	C) Peeling	D) Popping
	ence of hygroscopic or gravious the life of structure advers		ves rise to unhygienic
A) Condensation	B) Grinning	C) Dampness	D) None of these
Final treatment with compearance is termed	ement or lime mortar made tas	to the joints of the masonry	to provide neat
A) Membrane damp proofing	B) Pointing	C) Integral damp proofing	D) Both A & C
The development of a	series of hair cracks on the t	finished plaster surface is k	known as
A) Cracking	B) Crazing	C) Flading	D) Efflorescence
	g, the face of the mortar join ide the face of the masonry a		
wall. A) Flush pointing	B) Tuck pointing	C) Recessed pointing	

40	The minimum unckness of damp proofing course at pinion level is											
	A) 150 mm	B) 180 mm	C) 200 mm	D) 100 mm								
47	is a solid	substance in a fine state of	division and it forms the	bulk of a paint. It								
	determines the character of the paint and imparts durability to the surface which is painted.											
	A) Plaster	B) Base	C) Vehicle	D) Drier								
48	Which of the following are the causes of dampness?											
	A) Temperature	B) Pointing,	C) Action of rain,	D) All of these								
	variation, Peeling &	Seasoning &	rising of moisture from									
	Fracture	Blistering	the ground &									
			Condensation									
49	In the	face of the mortar joint is	pressed inside by means	of a suitable tool and is left								
	vertical instead of being made inclined.											
	A) Flat pointing	B) Weathered pointing	C) V- pointing	D) Recessed pointing								
50	The development of one or more fissures not assignable to structural cause is known as											
	A) Cracking	B) Grinning	C) Flading	D) Flaking								

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