

Questi	on	Booklet
Alpha	Сс	de

Question Booklet Serial Number	

Total Number of Questions: 100 Time: 75 Minutes

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

- 1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C & D**.
- The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
- 6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A -2-



1.	Spoke shave is a kind of A) chisel C) saw	,	plane gouge		
2.		tematic arrangement of equipment, work areas, spaces needed for ma ment and all other supporting activities in an industrial organisation			
	A) location lay out	B)	site lay out		
	C) plant lay out	D)	none of these		
3.	In which type of core box is used when a c	ore	with an irregular shape is required?		
	A) half core box	B)	split core box		
	C) strickle core box	D)	gang core box		
4.	It is the shape of which gives the screws its	s na	me		
	A) head	B)	shank		
	C) thread	D)	gauge		
5.	It is one of the oldest method of ornamenta	of timber			
	A) relief carving	B)	figured timber		
	C) wood carving	D)	inlaying		
6.	The blade of a chisel is made up of forged degree measure of	ed to	ool steel, and angle of cutting edge in		
	A) 30	B)	25		
	C) 45	D)	90		
7.	A cylindrical hollow piece of metal placed surface for the nut to turn on	be	low the nut to provide smooth bearing		
	A) Washer	B)	Lock nut		
	C) Castle nut	D)	Bush		
8.	Spring is a defect of timber occurred				
	A) end of the piece of timber	B)	interior of the piece of timber		
	C) a curvature along the edge of board	D)	away from edge of timber		



9.	Cutter of tenoning machine which is made	by	
	A) cast iron	B)	tool steel
	C) copper	D)	miled steel
10.	The central layer of plywood is called		
	A) Face ply	B)	Core ply
	C) Cross ply	D)	Main ply
11.	In which change takes place to manufactur	ring	sunmica, all the veneers are combined
	together to form a homogeneous solid?		
	A) sublimation	B)	fusion
	C) condensation	D)	polymerisation
12.	Parallel blocks of different types are used t	:0 S	etting work pieces for
	A) machining	B)	chamfering
	C) drilling	D)	tapping
13.	Which solder may used to general sheet m	neta	l applications ?
	A) common solder	B)	fine solder
	C) coarse solder	D)	extra fine solder
14.	The segmental pattern works like a		
	A) Match plate pattern	B)	Sweep pattern
	C) Loose piece pattern	D)	Single piece pattern
15.	This glue is a chemical extract from the cu	rds	of skimmed milk to fine yellow powder
	A) animal glue	B)	resin glue
	C) casein glue	D)	vegetable glue
16.	When volume calculation of logs of timbe always	r, ta	ake the measurement of girth diameter
	A) middle of the log	B١	one-fourth of the log
	C) along the log	,	one-third of the log
	o, along the log	ט)	one unit of the log



17.	The technical term used in roofing construction of the ridge and the wall plate is	ctio	n, the vertical distance between the top
	A) span	B)	ridge
	C) pitch	D)	rise
18.	Density varies in different timbers. Heavy t	o ve	ery heavy timbers have density of
	A) below 750 kg/c.c.	B)	above 750 kg/c.c.
	C) above 800 kg/c.c.	D)	above 1000 kg/c.c.
19.	Following are the one of the fastest method	d of	wood seasoning
	A) air seasoning	B)	chemical seasoning
	C) electric seasoning	D)	boiled seasoning
20.	It is the separation of the wood extending for drying	or a '	few measurement along the grain when
	A) collaps	B)	check
	C) bowing	D)	cupping
21.	A log is a of a tree with branch	hes	cut off and bark removed.
	A) baulk	B)	trunk
	C) post	D)	planks
22.	Collapsible carpenter's rule is also known	as	
	A) zig-zag rule	B)	folding rule
	C) steel rule	D)	none of these
23.	The saw which consists frame, connecting	ba	r, lever and two handles on both sides
	A) coping saw	B)	jack saw
	C) two man saw	D)	bow saw
24.	An outermost portion of the cross-section of	of tir	nber is
	A) pith	B)	core
	C) cambium layer	D)	barck

Α



25.	ne name of a hammer is designated by the shape of			
	A) handle	B) cheek		
	C) pein	D) eye hole		
	o, pe	2, eye nele		
26.	These joints can be readily noted on the co	orners of picture frames		
	A) mitre joints	B) box joints		
	C) framing joints	D) grooved joints		
27.	It is the term applied to boring holes for hea	ads of screws where counter sinking would		
	A) wedging	B) pocketing		
	C) dowelling	D) keying		
28.	The vertical member which is fixed betwee hand rail	n string and hand rail to give support to the		
	A) run	B) soffit		
	C) baluster	D) header		
29.	The wood surface produced when the side	is planed at an angle other than 45 degree		
	to the edge is			
	A) bevelled edge	B) splayed edge		
	C) arris edge	D) nose edge		
30.	are made up of country wood	d strips of various sizes ranging from 18 mm		
	to 38 mm in thickness.			
	A) Blackboard	B) Hardboard		
	C) Plywood	D) Chipboard		
31.	Which material used for making carpenter	s chisel ?		
	A) miled steel	B) stainless steel		
	C) forged tool steel	D) tungsten carbide tool steel		
32.	It is a round metal ring placed in between the neck and tang of the chisel			
	A) the handle	B) the blade		
	C) the edge	D) the ferrule		



33	The mallet is a	
00.	A) holding tool	B) supporting tool
	C) measuring tool	D) stricking tool
34	The box which is built up of three pieces o	
01.	each other for cutting 45 degree angle	wood, one to bace and other to paramer to
	A) mitre block	B) mitre box
	C) plummer block	D) none of these
35.	Which tool is used for laying out larger circ	les and arcs on the wood pieces ?
	A) divider	B) trammel points
	C) spirit level	D) try square
36.	The joints which are used for joining wood	pieces along their edges in order to obtain
	increased breadth	
	A) widening joints	B) framing joints
	C) box joints	D) circular joints
37.	Pin and socket is in connection with the join	nts of
	A) housing joints	B) lap joints
	C) bridle joints	D) scarf joints
38.	How many spurs are there in a mortise gaug	e that can be spaced at different distances ?
	A) one	B) two
	C) three	D) four
39.	are kind of files which generally	vused in the wood working trade for shaping
	and forming irregular pieces and curves.	
	A) Planes	B) Gouges
	C) Rasps	D) Saws
40.	is in timber refers to the gene	ral direction or alignment of wood cells.
	A) Grain	B) Colour
	C) Hardness	D) Density

A



41.	S.I. Unit of relative density is expressed as		
	A) gm/c.c.		kg/c.c.
	C) newton		none of these
	,	ŕ	
42.	2 cubic feet is equal to		
	A) 0.0566 cu.m.	,	0.0283 cu.m.
	C) 0.566 cu.m.	D)	0.283 cu.m.
43.	In British system of units, 'Gallon' is repres	ente	ed for
	A) area	B)	volume
	C) mass	D)	length
44.	The property of a metal to be flattened into	thir	n sheets without cracking
	A) plasticity		stiffness
	C) malleability	,	hardness
45.	Bell metal is an alloy of		
	A) copper and lead	,	copper and zinc
	C) tin and lead	D)	copper and tin
46.	6. The process of heating and cooling of metals to improve their mechanical propertie		
	A) casting	B)	heat treatment
	C) forging	D)	moulding
47.	The Sine Rule is used to find out the soluti	on (of
	A) triangle	B)	trapezium
	C) rhombus	D)	rectangle
48.	The product of mass and velocity of a body		
	A) momentum	,	moment of inertia
	C) impulse	D)	velocity
49.	Which one of the following below is a vector	or q	uantity?
	A) energy	B)	velocity
	C) speed	D)	time



50.	0. Muscular and mechanical forces are examples of		
	A) frictional forces	B)	non-contact forces
	C) magnetic forces	D)	applied forces
51.	Name the hack saw frame on which only o	ne s	standard blade can be fitted
	A) adjustable hack saw frame	B)	zig-zag frame
	C) solid hack saw frame	D)	loose hack saw frame
52.	Main fuel used in the hand forge is		
	A) hard coke	B)	wood
	C) charcoil	D)	lignite
53.	Which one of the following type of solder is	s us	ed for soldering jewellery?
	A) common solder	B)	eutectic solder
	C) coarse solder	D)	extra fine solder
54.	The slots on the angle plate are given for		
	A) reducing weight	B)	aligning the work
	C) lift using hooks	D)	accommodating bolts
55.	The angle of single cut file is in the degree	of	
	A) 65	B)	70
	C) 75	D)	80
56.	The depth of the trench in housing joint is		
	A) 1/5 th thickness	B)	1/3 rd thickness
	C) 1/2 th thickness	D)	2/3 rd thickness
57.	Which wood is usually have thin walled ce	lls '	?
	A) hard wood	B)	soft wood
	C) light soft wood	D)	ply wood
58.	The purpose of seasoning is not to reduce		
	A) weight	B)	shrinkage
	C) hardness	D)	warpage



59.	. Which one among the following medium is used in kiln seasoning?			
	A) water	B)	hot air	
	C) chemical	D)	smoke	
60.	A timber with heavy weight is considered to	o be	e	
	A) darker in colour	B)	closed grain	
	C) uniform grain	D)	sound and strong	
61.	To sharp the band saw blade the suitable	blac	le is	
	A) flat file	B)	round file	
	C) triangular file	D)	half round file	
62.	A trunk of a tree with branches cut off and b	oark	removed is	
	A) log	B)	bulk	
	C) post	D)	plank	
63.	63. Which one of the statement is not correct in respect to the 'CUTTER' in tenoning ma			
	A) made of tool steel	B)	form the surface of the tenon	
	C) cutting edges bevelled and shaped	D)	fixed with the carriage	
64. It is a combination of tread and riser. It is a space of stair which permits as			pace of stair which permits ascent and	
	desent			
	A) stair	B)	stair case	
	C) step	D)	tread	
65.	A stud of short length in partition as an ope	enin	g is called	
	A) head	B)	puncheon	
	C) post	D)	stud	
66.	It is an additional horizontal member used	l in	between the head and sill to make the	
	partition more rigid and strength is			
	A) nogging	B)	brace	
	C) roof	D)	inter tie	

Α



67.	Which part of the wood contains more water	er?	
	A) hard wood	B) :	soft wood
	C) heart wood	D) :	sap wood
68.	Which one of the sawing operation is not re	elate	ed to circular saw machine ?
	A) mould cutting	B)	mitre cutting
	C) mould cutting	D) (cross cutting
69.	What are the different thickness of 7 ply bo	ard '	?
	A) 3, 4, 5 and 6 mm thickness	B) :	5, 6, 7, 8 and 9 mm thickness
	C) 12, 15, 16 and 19 mm thickness	D) !	9, 12, 15 and 19 mm thickness
70.	The process of cutting series of recesses	or po	ockets with sides which slope into the
	wood at an angle to the surface is		
	A) inlaying	B)	relief carving
	C) wood carving	D) (chip carving
71.	Lead is used as the supporting tool while p	ounc	hing because
	A) it is a soft material	B) i	it is a hard material
	C) it does not break	D) i	it does not slip
72.	What do you understand by pattern lay out	?	
	A) Full scale drawing with complete detail	S	
	B) Full scale drawing without details		
	C) Any scale drawing with complete detail	ls	
	D) Any scale drawing without details		
73.	Cones and pyramids or their frustrum are of	devel	loped by
	A) parallel line method	B) 1	triangulation method
	C) radial line method	D) (geometric construction method

A -11-



74.	During bronze welding the filler metal 'balls up' does not melt. To rectify this defect			
	A) add more flux	-	increase pre-heating period	
	C) clean and remove the oxides	,	tilt the joints	
75	It is the distance a threaded component mo	N/A	s along the matching component during	
75. It is the distance a threaded component moves along the matching component moves a				
	one complete revolution.	Β.		
	A) pitch	,	hand	
	C) helix angle	D)	lead	
76.	Solder is an alloy of			
	A) Tin and lead	B)	Tin and copper	
	C) Copper and zinc	D)	Lead and zinc	
77. This defect lies in the sap wood which accompanies wane due to econo				
	conversion of log of tree			
	A) spiral grain	B)	wavy grain	
	C) waney edge	D)	knots	
78.	. Volume of timber which measured as the unit of			
	A) cu.ltr.	B)	sq.m.	
	C) sq.ft.	D)	cu.ft.	
79.	The lower edge of the inclined roof surface is called			
	A) Eaves	B)	Hip	
	C) Verge	D)	Valley	
80.	Which is the solvent of shellac?			
	A) Turpentine	B)	Paint	
	C) Alcohol	,	Linseed oil	
	-,	_,	5554 5	



81.	Ahamedabad city is on the bank of which r A) Yamuna C) Hugli	iver ? B) Sabarmati D) Sarayu
82.	Oldest mountain range in India A) Himalaya C) Western Ghat	B) Vindhya Satpura D) Aravalli
83.	Anthyodaya Annayojana was started in wh A) 7 th Plan C) 9 th Plan	iich Five Year Plan ? B) 8 th Plan D) 10 th Plan
84.	In which year did Nithi Ayog officially come A) 2015 January 1 C) 2015 March 10	e in to existence ? B) 2015 February 1 D) 2015 April 14
85.	Who is the brand Ambassador of Harithake A) Manju Warriar C) Sachin Tendulkar	eralam project ? B) Mohanlal D) Yeshudas
86.	Who declared jihad against British during A) Nawab Wajid Ali C) Begam Hasrath Mahal	857 revolt ? B) Moulavi Ahamadullab D) Shahmal
87.	In which Congress Session was non-coope A) Nagpur Session 1920 C) Kakinada Session 1923	eration movement decided ? B) Lahore Session 1929 D) Amritsar Session 1919
88.	In which Act granted separate electorate for A) 1947 Indian Independence Act C) 1935 Govt. of India Act	r Muslims ? B) 1919 Montague Chemsford Act D) Minto Morley Reforms 1909
89.	Which union territory in India registered hig A) Pondicheri C) Andaman Nicobar	hest literacy rate ? B) Lakshadweep D) Delhi
90.	Which place in Kerala was known as 'Nala A) Kanthalloor C) Thrikkana Mathilakam	nda'? B) Moozhikkalam D) Srimoola Vasam



91.	The magazine in which Sree Narayana Gu A) Prabudha Keralam C) Koumudi	B)	oroclaimed 'No caste for us' in 1916. Vivekodayam Yoganadam
92.	Which social reformer is known as 'Bharat A) T.K. Madhavan C) V.T. Battathiripad	B)	sari' ? Ayyankali Mannath Padmanabhan
93.	Which of the following was written by Vagb A) Kanneerum Kinavum C) Darsanamala	B)	tananda ? Abhinava Keralam Pracheena Malayalam
94.	The social reformer who declared that 'one one world'? A) Sree Narayana Guru C) Vaikunda Swamikal	B)	ste one religion, one clan, one God and Sahodaran Ayyappan Kumaranassan
95.	In which year Chavara Kuriakose Elias Ac A) 23 rd November 2014 C) 2 nd February 2013	B)	was canonized by Pope Francis ? 23 rd November 1986 10 th March 2012
96.	Who was awarded Nobel Prize for literatur A) Gunthar Gras C) Oliver Hart	B)	2016 ? Juan Manual Santos Bob Dylan
97.	Which book received Vyalar Award in 2010 A) Arachar C) Manushyanu Oru Amu Kham	B)	Thaksham Kunnu Swaroopam Edikkaloori Panambattadi
98.	Which political party was recently recogniz A) Thelugu Desham C) Trinamool Congress	B)	by election commission ? AID MK Janathadal Secular
99.	Who won us open tennis for woman in 201 A) Anjelik Kerber C) Serena Williams	B)	Veenas Williams Mariya Sherapowa
100.	Who is the present Chief Justice of Kerala A) Chelamaswar C) Manjula Cheloor	B)	h Court ? Mohana Santhana Gowdar Ashok Bhooshan

A -14-



Space for Rough Work

A -15-

Space for Rough Work