

18/A/C/S-2/4/E

Booklet Series - A

036/227

PAPER-I FITTER (THEORY) SEMESTER-II

TIME: 3 Hrs.

MARKS: 150

Note: - Attempt all the questions.

All questions carry equal marks.

This paper carries negative marking 25% marks will be deducted for each wrong answer.

Choose the correct answer:

1.	What is used for the levelling of machines? a) Spirit levelc) Marking gauge	b) Marking table d) Scriber
2.	Bolts are generally made up of- a) Mild steel c) Brass	b) Cast iron d) Silver
3.	In which furnace cast iron is manufactured? a) Blast furnace c) L.D.M. furnace	b) Cupola furnace d) Pudding furnace
4.	Dally maintenance of machines is known as a) Break – down maintenance c) Routine maintenance	b) Preventive maintenance d) None of these
5.	a) Scraper c) Drill	vear out files? b) File d) Blade
6.	The difference between maximum & minima a) Limit c) Tolerance	um measurement of any part is known as- b) Fit d) Allowance
7.	For which work, open structure wheel is use a) Rough grinding c) Super Finishing	d? b) Finishing d) All of these



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8.	What is the point angle of fla a) 112^0 c) 90^0	at drill?	b) 118 ⁰ d) 170 ⁰			
9.	In which welding process, fil a) Heterogeneous welding b) Autogeneous welding c) Both (a) & (b) d) None of these	ller rod of sa	ame material is used?			
10.	MAG stands for - a) Metal Active Gas c) Metal Arc Gas		b) Metal Inert Gas d) None of these			
11.	The color of the walls of weld a) Red c) Yellow	ding booth i	s- b) Green d) Black			
12.	Transformer, by which voltag a) Step- up transformer b) Step down transformer c) Both (a) & (b) d) None of these	ge gets down	n and current gets high is kn	own as-		
13.	Hematite is the ore of- a) Aluminium c) Iron		b) Copper d) Zinc			
14.	The filament of bulb is made to a) Chromium c) Tungsten	ap of-	b) Vanadium d) Nickel			

b) Hollow pin d) Tab pin

Which is not the type of pin?
a) Dovel pinc) Split pin

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16.	In colour code system, what does red colour a) Danger c) Emergency	b) Compulsion d) All of these
17.	Principle of micrometer is based upon- a) Nut and bolt b) Difference between thimble and vernier s c) Rack and pinion d) None of these	cale
18.	Which of the following scraper is also known a) Half round scraper c) Two-handle scraper	vn as bearing scraper? b) Triangular scraper d) Hook scraper
19.	Split die is used by holding it in- a) Circular die stock c) Die nut	b) Adjustable die d) Solid die
20.	Which of the following formula is used for a) $\pi DN/1000$ m/min c) $1000xDxN/\pi$ m/min	finding the cutting speed of the drill? b) πx1000/DN m/min d) None of these
21.	If there are two flutes in any drill, then the rank a) Two c) Four	number of cutting edges will be- b) Three d) Zero
22.	Following is the chemical formula of acetyl a) CH ₄ c) CH ₂	ene gas- b) C ₂ H ₂ d) C ₄ H ₄

Heat is produced by the following formula in resistance welding-a) $I.R.T^2$ b) $I.R^2.T$ c) $I^2.R.T$ d) I.R.T23.

d) I.R.T



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24.	It is a welding transformer which converts and Motor generator c) Rectifier	A.C. into D.C b) Engine generator d) All of these				
25.	Taper tap is the tap in which this	eads are chamfered on the lower side.				
	a) 8 to 10	b) 3 to 5				
	c) 20 to 25	d) None of these				
26.	The tool which gives support to the rivet he	ad, is-				
	a) Lolly	b) Trolley				
	c) Dolly	d) None of these				
27.	Which of the following is mounted in order					
	a) Key	b) Coupling				
	c) Washer	d) None of these				
28.	Which of the following is not a foundation bolt?					
	a) Eye foundation bolt	b) Rag bolt				
	c) Lewis bolt	d) Cheese head bolt				
29.	Which of the following is a part of prevention	ve maintenance?				
	a) Lubrication	b) Inspection				
	c) Servicing	d) All of these				
30.	Which of the following error occurs in an un	nused machine?				
	a) Depletion	b) Corrosion				
	c) Jamming	d) All of these				
31.	Dial test indicator is a precision instrument,	which is used for measuring-				
	a) The size of job	b) The parallelism and straightness of job				
	c) The height of job	d) None of these				
32.	Which metal is used in galvanization?					
	a) Tin	b) Zinc				
	c) Lead	d) None of these				
		,				



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33.	Purest form of iron is-			
	a) Cast iron		b) Wrought iron	
	c) Pig iron		d) None of these	
34.	In interference fit, shaft is alw	avs	than / to hole.	
	a) Smaller		b) Bigger	
	c) Equal		d) None of these	
	, .		2) 2 .02.0 02 02.000	
35.	The measured dimension size	of any wo	kpiece or component is kno	own as-
	a) Basic size		b) Nominal size	
	c) Accepted size		d) Actual size	
36.	There are 16 grades in Dritich	Ctom dod T		C 11
50.	There are 16 grades in British a) 1 to 16	i Standard I		s follows-
	c) A to P		b) 0 to 15	
	C) A to I		d) None of these	
37.	Gauges, which are used for cl	necking the	inspection gauges, are known	wn as-
	a) Workshop gauges	0	b) Snap gauges	
	c) Master gauges		d) None of these	
			,	
38.	Which of the following gauge	is suitable	for internal measurements?	
	a) Ring gauge		b) Plug gauge	
	c) Both (a) & (b)		d) None of these	
39.	2A46K5B19 is the specification	on of a grin	ding wheel Here what doe	s 'B' indicate?
	a) Grit size	8	b) Resinoid bond	3 D marcate:
	c) Shellac bond		d) Grain size	
	,		d) Gram Size	
40.	Size of superfine grains is giv	en by the n	ambers ranging from -	
	a) 0-20		b) 24-60	
	c) 70-150		d) 400-600	



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41.	The face of grinding wheel shines and beco a) Loading c) Dressing	mes blunt. This phenomena is known as- b) Glazing d) Gauging		
42.	The distance covered by a nut in one rotation			
	a) Pitch	b) Lead		
	c) Tap	d) Screw		
43.	Which tool is used for taking out the broke	n tap from job?		
	a) Tap puller	b) Tap opener		
	c) Tap chuck	d) Tap extractor		
44.	Depth of BIS metric thread is given by-			
	a) 0.6 x Pitch	b) 0.6134 x Pitch		
	c) 0.6403 x Pitch	d) 0.5 x Pitch		
45.	Front part of is known as pilot.			
	a) Reamer	b) Drill		
	c) Counter bore	d) None of these		
46.	Capacity of pillar type drill machine is-			
	a) 12.5 mm	b) 10 mm		
	c) 25 mm	d) Infinite		
47.	Reaming makes a hole size			
	a) Bad	b) Zig-zag		
	c) Finished	d) None of these		
48.	3. In Acetylene gas welding valve should be closed first immediately after backfire-			
10.	a) Acetylene valve			
		b) Oxygen valve		
	c) Both (a) & (b)	d) None of these		





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- 49. Process of welding of two different metals is known as
 - a) Homogeneous welding
- b) Heterogeneous welding

c) Fusion welding

- d) Spot welding
- 50. Oxygen cylinder is filled at the pressure of
 - a) 15-16 kg/cm²
 - c) 200-220 kg/cm²

- b) 120-150 kg/cm²
- d) None of these

