2019/TDC/ODD/SEM/PHSSEC-301T/076

TDC (CBCS) Odd Semester Exam., 2019

PHYSICS

(3rd Semester)

Course No.: PHSSEC-301T

(Workshop Skill)

Full Marks: 50 Pass Marks: 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

UNIT—I

- 1. Answer any three questions: 1×3=3

 - Give the SI unit of temperature. (a)
 - The density of wood in CGS system is (b) 0.5 g cm⁻³. Find its value in SI.
 - Write down the expression for volume of (c) a cylindrical beaker of length L and radius R. charge supplier the set bardW 1 (b)
 - (d) What is back-lash error in a screw gauge?

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http://www.elearninginfo.in

(3)

(Turn Over)

2.	Answer any one question: 2		6. Answer any one question:	
	(a) Explain instrumental Calipers. (b) What are meant by pitch and least count? Answer any one question:		(a) Explain metal casting.	
			(b) What is welding? Briefly explain any one type of welding.	
			1911) to nonexistence and material (d)	
			to see here of the day of the protection of the	
	(a) How can you measure the diameter of a thin wire by screw gauge?		UNIT—III	
	at a second severant to measure	asure	7. Answer any three questions: 1×3=3	
	the height of a building.		(a) Name any two materials used for making cutting tools.	
			(b) What is the effective length of a file?	
	Exercise to the HIND office full needs		(c) Name any one tool used in fitting	
4.	Answer any three questions:	1×3=3	operation.	
	(a) What is machining?		(d) What is a shaper related to workshop?	
f.=8	(b) Name any one type of electrical fu used in foundry.	rnace	8. Answer any one question: 2	
	(c) What is meant by cast iron?	養	(a) What is milling?	
	(d) Name any important joining pr	rocess	(b) What is bench vise?	
	used in workshop.		9. Answer any one question: 5	
5.	Answer any one question:		(8) 見せんできた。 かいこと メント 17 (**) またた 対し 42 (**) ここと	
	(a) What is stainless steel? A HINGER		(a) What is lathe? Give a list of types of lathe used for manufacturing machine	
	(b) Name one alloy of copper and menti	ention	parts. 14=5	
	its any two useful properties.		(b) Explain drilling process.	

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Answer any one VI-TINU

10.	Answer any three questions:		1×3=3
		What is welding Remain	(6)
	THE HIV ONE	(noldering)	

- Explain the term 'soldering'.
- Mention one application of CRO.
- Name one device which is used as a voltage regulator in power supply.
- (d) Why is transformer used in power not bsupply? the out out one small (b)

11. Answer any one question : A at 1861 W

- (a) State various electrical quantities that can be measured with a multimeter.
- difference between (b) What is the unregulated regulated and power supply?

5 12. Answer any one question and at raff W

- (a) Draw the block diagram of a CRO and explain briefly the function of each to asoblock. All a svib lotte si tudW
- (b) Describe in detail the working of a timer circuit. (a) Explain drilling process.

UNIT-V

13.	Answer any three questions: 1×3=			
	(a)	What is the utility of gear system?		
	(b)	Mention any two types of braking system.		
	(c) What are three types of lever?			

(d) What is a pulley? 14. Answer any one question:

Explain the working principle of a power generation system.

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Explain how a wheel is connected to a gear system.

15. Answer any one question :

- (a) What do you understand by (i) fixed, (ii) movable and (iii) compound pulleys? Explain with example of each.
- (b) Explain briefly the mechanism of lifting of heavy weight using lever.

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