BACHELOR OF VOCATION

Tool and Die Manufacturing

Subject: Introduction to Press Tools, Dies & Moulds

Subject Code: CBME-205

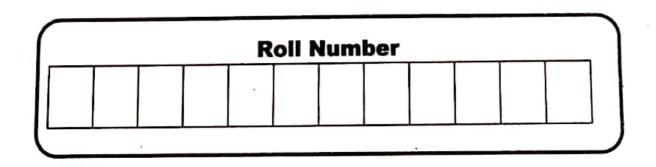
Semester: Third January 2021

Theory (External): 35 Marks

Time: 03 Hours

Instructions to the Students

- This Question paper consists of two Sections. All sections are compulsory.
- Section A comprises 10 questions of objective type in nature. All
 questions are compulsory. Each question carries 1 mark.
- Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
- Read the questions carefully and write the answers in the answer sheets provided.
- 5. Do not write anything on the question paper.
- Wherever necessary, the diagram drawn should be neat and properly labelled





SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS) (10x1=10 Marks) ·

			31				
A		In piercing operation, the clearance is provided on					
	a)						
	b)						
	c)						
	d)	l) Either on punch or die					
В	Punching a number of holes in a sheet is known as						
	a)) Perforating					
	b)	Parting					
	c)) Notching					
	d)) Lancing					
С	Production of contours in flat blanks is termed as						
	a)						
	c)	,					
D	Ups	Upset forging					
	a)	Causes a steadily applied pressure instead of impact force					
	b)	Is used to force the end of a heated bar into a desired shape					
	c)	Is a forging operation in which two believes to					
	,	Is a forging operation in which two halves of rotating die open					
		and close rapidly while impacting the end of the heated tube or					
		shell is a forging method for reducing the diameter of a bar and					
	47	in the process making it longer					
	d)	None of the above					
Ε	Lace	povrime a dala militaria.					
ن	Lea	Leaving a tab without removing any material is known as					
	a)	Perforating b) Parting	19				

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d) Lancing

E

c) Notching

F		Which of the following die can perform multiple operations such as blanking, punching etc.					
	a)		b)	Progressive die			
	c)		d)	Impact die			
G	Th	urved sheet metal is known as					
	a)	Drawing	b)	Squeezing			
	c)	Coining	d)	Planishing			
Н	Metallic cans are usually mass produced by the following proce						
	a)	Embossing	b)	Coining			
	c)	Spinning	d)	Drawing			
I	The important mechanical property of a material for extrusi						
	a)	Continuity	b)	Ductility			
	c)	Elastielity	d)	Plasticity			
J	The	The method to calculate the bending pressure involves a) Bending method					
	b)	Length of bend					
	c)	Thickness of stock material					
	d)	All of the above					

SECTION -B (ESSAY TYPE QUESTIONS) (5x5=25 Marks)

- Q1 Classify the press tools and mention their applications.
- Q2 Sketch the various elements of a typical press tool.
- Q3 Enumerate the differences between progressive tool and combined tool.
- Q4 Discuss various techniques and applications of a trimming operation.
- Q5 Name and explain any three press tool non-cutting operations.
- Q6 Classify the dies and explain their uses in press tools.
- Q7 Write short notes on any of the two topics given below:
 - (a) Functions of moulds
 - (b) Stripper plates
- Q8 Differentiate between blanking, piercing and shaving operations.

*****END OF THE PAPER****