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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE S q Mech

Mid Semester Examination - March 2019

Course: B. Tech in Mechanical Engineering Sem: III

Subject Name: Manufacturing Process-I Subject Code: BTMEC401

Max Marks: 20

Figure to right indicates full marks.

Assume suitable data wherever required. Draw figure wherever necessary.

Instructions to the Students:

Date:

11/3/2019

Duration: 1 Hr.

(Level/CO)

	Knowledge/ CO1	3.Defect in casting includes a) Hot tearing b) Cold tearing c) Chatter d) All of the above
	Knowledge/ COI	Which of the following casting process is known as counter gravity casting? Slush casting b) Vacuum casting c) Investment casting d) Sand casting
	Knowledge/CO1	த்.In casting, which of the following furnace is NOT used த்) Puddling Furnace b) Crucible Furnace c) Cupola Furnace d) Induction Furnace
1 X C		Q. 1 C Solve all the Multiple Choice Questions
Ma	(Level/CO)	

Sa) Hot tearing 3.Defect in ca 4. Which of the following is NOT the rolling process

Os.On small scale, mills which utilizes scrap material and that is melted in electric-arc furnaces, cast, and continuously rolled into specific lines of products is known as an organized for the products of products in the product of products in the product of products of products of products in the product of products of pr a) Shape rolling b) Thread rolling c) Ring rolling d) Shell rolling

a) ratio of the cross-sectional area of the billet to that of the extruded product st. Extrusion ratio is b) ratio of the cross-sectional area of the extruded product to that of the billet

Q.2 Solve Any Two of the following.

(A) What is the difference between expandable mold & permanent mold? Enlist various types Comprehensio of casting process. 8

Explain any one process out of ring rolling or shape rolling

Ĝ Which are the three principal extrusion defects?

Solve Any One of the following

process briefly. What is difference between hot chamber & cold chamber die casting? Explain any one

How many types of mills can be used for rolling? Explain all of them with illustration

*** End ***

Application/

Application/CQ2

1X8

C02

Comprehensio

202

Comprehensio

3 X 2=

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Knowledge/ CO

Knowledge/ CO:

Knowledge/ CO2

Mark