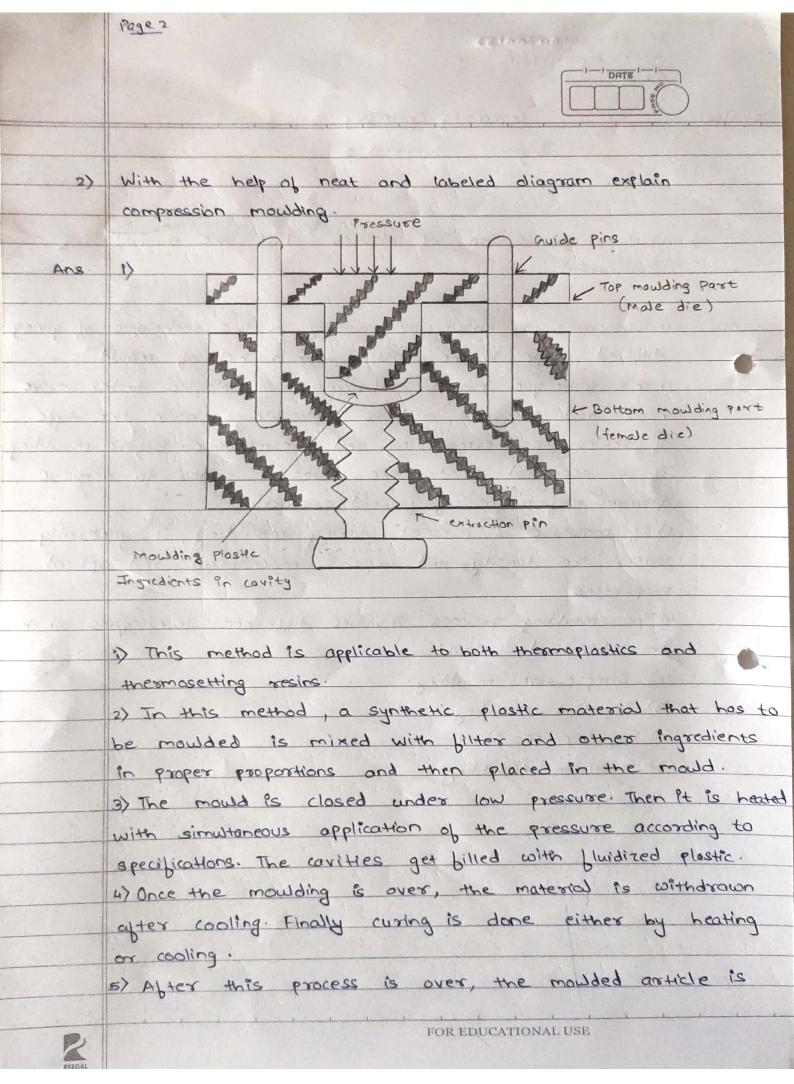
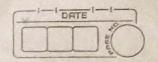
25/03/2021	SAP JD - 60064200132 Nome - Ayush Jain Div-J Engineering Chemistry Polymer - Tuto that 2
	The state of the s
1>	What is fabrication of plastics? List the methods of fabrication.
Ans ·	i) Fabrication of plastic as mouding is the technique of giving desired shape to the plastic with a help of mould. 2) This technique involves fabrication of plastic under severe heat and pressure and is applicable to both the type
	of resins ie thermosetting and thermoplastic. Before moulding, it is essential to dry the resins in order to achieve optimum performance of finished product. B) If moisture is present during moulding, it generally lowers the density and impairs mechanical and optical
	properties. 4) The moulding process involves different techniques which one described below: (A) Compression moulding. (B) Injection moulding.
2011/33	(c) Transfer moulding.
19/3/3	(0) Extrusion Moulding.
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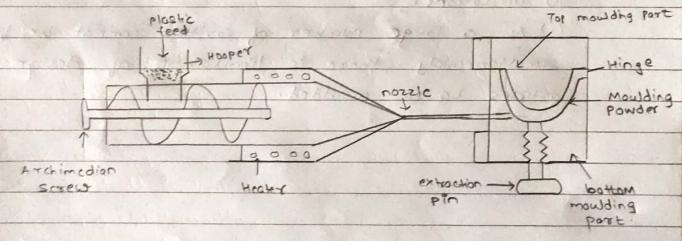
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taken out by opening the moud parts. Currently fully automatic mouding precises one available to quicken the process.

screw caps are obtained by this method.

3) With the help of next and labelled diagram explain injection moulding.



Truection moulding.

i) This method is applicable to thermoplastic resine. The plastic in the form of powder is fed into a hot cyclinder through hoppers.

- into a tightly locked mould by means of screw
- arrangement or piston.
- 3) The temperature at the nozzle is increased (between 130°-260°C) which makes plastic fluidized and is injected in the mould.

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	Page 4
	I DATE I
+ 16	4) The moud is kept cooled to enable the hot plastic to
35 33	be cured and become rigid. Moulded object is ejected
	mechanically without any deformation.
7	5) Telephones, buckets, ductions are made by this
	technique.
	6) Advantages:
	(1) It is widely used for moulding of thermoplastics.
	14 pas pide sheeg beognetion.
	(3) It has low finished cost.
	(4) It has low loss of material.
Y-0 , 0,0	7) Umitations:
	(1) As a longe number of cavities connot be filled
22000	simultaneously, there is limitation of design of
TALL S	asticles to be moulded.
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