

- Q.30 Explain limitation of cooling.
- Q.31 Differentiate between two plate mould and three plate mould.
- Q.32 Write a short note on dog-leg actuating system.

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four question. (3x10=30)

- Q.33 Define runner Explain different types of runner with sketch.
- Q.34 Explain different types of ejection techniques with sketch.
- Q.35 Define ejector grid. Explain different types of ejector grid with neat sketch.
- Q.36 Explain a three plate mould for 12 mm bolt in detail with neat sketch.

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5th Sem. / Rubber Tech.

Subject : Design of Rubber Moulds and dies-I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.1 The corners of the insert can be chamfered at_____
- Q.2 The ejector plate assembly is that part of the mould to which the____element is attached.
- Q.3 The gate_____soon after the impression is filled.
- Q.4 Stepped circuit cooling channels are positioned close to the top surface of the_____.
- Q.5 On lathe machine the metal is removed by a single point tool as the works is_____

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- Q.6 The ejector plate assembly consists of an _____ a _____ and an ejector pins.
- Q.7 When plastics material enters an impression _____ is displaced.
- Q.8 The male portion of the mould, form the shape of the moulding.
- Q.9 The wall of the runner channel must be smooth to prevent any _____
- Q.10 Side movement must be prevented to ensure that the split halves always come together in the _____.

SECTION-B

Note: Very Short answer type questions. Attempt any ten questions out of twelve questions (10x2=20)

- Q.11 Define ejector plate.
- Q.12 Define bolster.
- Q.13 Define integer core plate.
- Q.14 Define pin gate
- Q.15 Define plug.

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- Q.16 Define venting
- Q.17 Define cold slug well.
- Q.18 Define side core.
- Q.19 Define Split core
- Q.20 Define external under cut.
- Q.21 Give any two draw backs of rectangular gate.
- Q.22 Define jetting.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Explain solid bolster in brief.
- Q.24 Write a short note on guide bush with sketch
- Q.25 Explain any five advantages of register ring.
- Q.26 Explain indirect bolting method with sketch
- Q.27 Write a short note on push back return system.
- Q.28 Explain factor on which runner layout depends.
- Q.29 Define parting surface. Explain its type.

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