SECTION-D

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Explain construction and working of radial drilling machine with the help of neat sketch.

Q.20 Explain clearly the principle of location of work piece in jigs and fixtures.

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Level 5 / 1st. Sem. / DVOC

Industrial Tool Manufacturing

Subject : Machine Tool Technology

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Multiple-choice questions. All questions are compulsory (5x1=5)

Q.1 Traversing of tool parallel to the axis of job is termed as _____

a) cross feed

b) longitudinal feed

c) both cross feed and traversing feed

d) none of the mentioned

Q.2 At the end of cycle, job is given a feed motion _____ to the direction of tool movement.

a) Parallel

b) anti-parallel

c) perpendicular

d) none of the mentioned

Q.3 Straddle milling can be performed more effectively by _____ milling machine.

a) Horizontal

b) Vertical

c) can't say anything

d) none of the mentioned

Q.4 In centerless grinding, workpiece is supported by

a) Centers b) Chuck

c) Work rest d) All of the above

Q.5 Which of the following is not correct about fixture?

a) It is used to hold the work

b) It is used to position the work

c) It assures high accuracy of parts

d) It is used to guide the cutting tool

SECTION-B

Note: Objective type questions. All questions are compulsory (5x1=5)

Q.6 Cross slide

Q.7 Tapering

Q.8 Negative

Q.9 Broach

Q.10 Leaf Jig

SECTION-C

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

Q.11 Write a short note on Universal chuck.

Q.12 Briefly explain about taper turning and thread cutting performed in lathe?

Q.13 Write any four differences between shaper and planer.

Q.14 What do you mean by broaching? Explain principle related to broaching.

Q.15 Explain "Straddle Milling" with neat sketch.

Q.16 Explain form milling with neat sketch.

Q.17 Mention various types of bonds used in making of grinding wheel also mention their applications.

Q.18 How does a template jig differ from a plate jig?