

- Q.6 Define Compound rest.
 Q.7 Define counter boring
 Q.8 Define Indexing
 Q.9 Define Abrasive
 Q.10 Define Milling fixture

SECTION-B

- Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)
- Q.11 Name and describe two methods of turning taper on lathe.
 Q.12 What is four jaw chuck. write its advantages.
 Q.13 Explain about cylindrical grinding machine with neat sketch ?
 Q.14 Explain the different types of abrasives used in grinding wheels?
 Q.15 What do you understand by differential indexing ?
 Q.16 Differentiate between up-milling and down - milling.
 Q.17 Discuss the importance and use of jigs and fixtures in industry.
 Q.18 Write any five differences between cutting fluids and lubricants?

SECTION-C

- Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)
- Q.19 Why is quick return mechanisms used ? Discuss in detail about any one of the quick return mechanism used in a shader.
 Q.20 How lathes are classified ? Give a comparison of capstan lathe and Turret lathe.

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DVOC (Level 5)
Sem 1st / Industrial Tools Manufacturing.
Subject : Machine Tool Tech.

Time : 2 Hrs.

M.M. : 50

SECTION-A

- Note:** Very short answer type questions . Attempt all ten question (10x1=10)
- Q.1 Which machine tool is known as the mother machine tools?
 a) Drill b) Milling
 c) lathe d) None of mentioned
- Q.2 Which of the following is used for machining larger jobs.
 a) Shaper b) Planer
 c) can't say anything d) None of mentioned
- Q.3 Indexing is accomplished by using a special attachment known as _____.
 a) Dividing head
 b) index head
 c) None of the mentioned
 d) Both dividing head and index head
- Q.4 Removing dull grains in order to make grinding wheel sharp is known as
 a) Dressing b) Loading
 c) Glazing d) Trueing
- Q.5 In which of the following operation jigs are preferred over fixture?
 a) Drilling b) Turning
 c) Milling d) Grinding

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