

C.U.SHAH UNIVERSITY

Winter Examination-2015

Subject Name: Manufacturing Process-I

Subject Code: 4TE04MPR1

Branch: B.Tech (Mech, Auto)

Semester: 4

Date: 20/11/2015

Time: 2:30 to 5:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

(14)

- a) Size of lathe is specified by the
- | | |
|---------------------------------|----------------------------|
| a) length between center | b) swing diameter over bed |
| c) swing diameter over carriage | d) all of these |
- b) The lathe centers are provided with standard taper known as
- | | |
|------------------|---------------------------|
| a) Morse taper | b) Seller's taper |
| c) Chapman taper | d) Brown and Sharpe taper |
- c) Drilling is an example of
- | | |
|-----------------------|--------------------|
| a) Orthogonal cutting | b) Oblique cutting |
| c) Simple cutting | d) Uniform cutting |
- d) The operation of making cone shaped enlargement of the end of hole is known as
- | | |
|--------------------|-------------------|
| a) Counter sinking | b) Counter boring |
| c) Trepanning | d) Spot facing |
- e) The enlarging of existing circular hole with a rotating single point cutting tool is called
- | | |
|------------|---------------------|
| a) Boring | b) Drilling |
| c) Reaming | d) Internal turning |
- f) In a shaper the metal is removed during
- | | |
|--|---|
| a) Return stroke | b) Forward stroke |
| c) Both forward and the return strokes | d) Neither forward nor the return strokes |
- g) In a planer
- | | |
|--|--|
| a) Tool moves over steady work | b) Tool moves over reciprocating work |
| c) Tool is steady and work reciprocate | d) Work is steady and tool reciprocate |
- h) Surface grinding is used to produce
- | | |
|--------------------------------|---------------------|
| a) Tapered surface. | b) Angular surface. |
| c) Internal cylindrical holes. | d) Flat surface. |
- i) In centreless grinding, the surface speed of regulating wheel is
- | | |
|-------------------|--------------------|
| a) 5 to 15 m/min | b) 15 to 60 m/min |
| c) 60 to 90 m/min | d) 90 to 120 m/min |
- j) A open structure of grinding wheel is used for
- | | |
|----------------------|--------------------|
| a) Soft materials | b) Tough materials |
| c) Ductile materials | d) All of these |



