

MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATIONS, MUMBAI

Examination, July 2014

CERTIFICATE COURSE IN CAD-CAM OPERATOR

[Ἑβραῖον—3 ἰερέας]

(BEthÉ NÖÉ—100)

$$E d \{ ^ { a } \tilde{E} \oplus \tilde{B} b b \div b \tilde{A} \} \tilde{O} \tilde{M} + h b \div \tilde{E} b z \tilde{E} < \tilde{E} (\tilde{E} \tilde{E} + ^ { \textcircled{R} } 0 - 1)$$

MÉRÉ

20

1. MEE³yfa^aE VEE^ME E+E% :-
- (+) °E EE^aEiE: b<ME °E-UEEIE iE^a@u %fa
(UCS / WCS / OCS).
- (#) #Vu VEEMAE jE^maEE+EE {E} nE% %phEIEIE.
(# / \$ / @).
- (E0) +EEbiEO BE0 VEEMAE°uxE %phEE EifaEP0 iEO jOCIE °E% %phEE EIEE afafa
(Hatch / Fill / Colour).
- (b)- +IoIEk EEIE +°E+fa^aE @MAEE °E EE^m@u @EE EdfMaEE°EE`0 aEE +EYESIE
EE(E@u Eo@IEIE.
(Multiline / Offset / Extend).
- (<) +EEbiEOSaEE EobE iEEbh^aEE°EE`0 aEE +EYESIE EE(E@u Eo@IEIE.
(TRIM / OFFSET / CHAMFER).
- (j0) +EEbiEO EEa`0 Eo@^maEE°EE`0 aEE +EYESIE EE(E@u Eo@IEIE.
(STRETCH / LENTHEN / PULL).
- (ME) EZE@a EjEVafafa Ei oEa] o Eo@mfa %phEVESIE %faE.
(Trim / Break / Chamfer).
- (%) +EEbiEO [°E+EC]o Ea^aEEXM^m@u EIESaEE E^m@u Uaa] o SEEoaE EnP EIEIE i^aEAEE
%phEIEIE.
(Nodes / Grips / Rectangles).
- (aE) +EEbiEOSFO Ebj dE]o ±fa(E@u %) +°Eifa
(0 / 1 / Def).
- (R) EdZxE ±fa(E@u AE +°EIEIE.
(Visible / Invisible / Locked).
2. JEE+fO±E jEjxEEFO =KE@u E+E% (EdhEieXp nME) :-
- (+) ‘View’ EVFO±E =(E^aECE E+E% ? jEiaEO {E^aECE EEOTEE +EYESIE =(E^aE ME °(E]o
Eo@ ?
- (#) “Eo^aE” XEECEUEVME Sheet Set Manager EOCEE jEfaME EdfFaE ? =nU%PhEE°E%
jEO]o oEa] o EXVE^m@u % ph {E^aECE EOCEE EE(E@u±E ifa E+E% ?
- (E0) 60 E^a.E. EFVU+°E+faEE IE] EdXE iE^a@u Eo@m^aaEE°EE`0 OSIO EbiEO E+E%.

16

(ENGLISH)

[TIME ALLOWED — 3 HOURS]

(MARKS — 100)

COMPUTER AIDED DRAFTING AND DESIGN (THEORY-I)

- | | Marks |
|---|--------------|
| 1. Fill in the blanks :— | 20 |
| (a) By default the drawing is set up in
(UCS / WCS / OCS). | |
| (b) Pattern which fills closed area is called
(# / \$ / @). | |
| (c) With ortho mode on you can move objects only
(Hatch / Fill / Colour). | |
| (d) Command which creates lines parallel to existing lines is
(Multiline / Offset / Extend). | |
| (e) Command to cut edges
(TRIM / OFFSET / CHAMFER). | |
| (f) Command for enlarging object
(STRETCH / LENTHEN / PULL). | |
| (g) Filleting with zero radius is same as
(Trim / Break / Chamfer). | |
| (h) Small boxes appearing on object when it select it is
(Nodes / Grips / Rectangles). | |
| (i) The default layer for drawing is
(0 / 1 / DEF). | |
| (j) Frozen layer are
(Visible / Invisible / Locked). | |
| 2. Answer the following questions (any <i>two</i>) :— | 16 |
| (a) What is the content of 'view' in main menu bar ? Explain use of each command ? | |
| (b) From where Sheet Set Manager option is found ? How do you use this command ? | |
| (c) Explain the steps to draw a Hexagon having sides of 60 mm. | |
| 3. Answer the following questions (any <i>two</i>) :— | 16 |
| (a) What is the content of U.C.S. ? Explain with suitable example how can use each command ? | |
| (b) What is the content of Draw ? Explain use of each command briefly ? | |
| (c) What do you mean by 3DS Files and ACS Files / What is the use of these files ? | |

[Turn over]

4. Answer the following questions (any *two*) :— 16
- (a) What do you mean by DXB Files and WMF files ? What is the use of these files ?
 - (b) How can insert a linked and embedded object ?
 - (c) Explain Extrude command ? Explain use of this command with suitable example ?
5. Write a short note (any *four*) :— 16
- (a) Stretch
 - (b) Mirror
 - (c) Trim
 - (d) Object Snapping
 - (e) Object Tracking.
6. Answer the following questions (any *two*) :— 16
- (a) What do you mean by The Direct Distance Method ? Explain how it can use ? Give suitable example ?
 - (b) State the type of Layers ? Explain the each layer with suitable example ?
 - (c) Explain Hatch menu bar ?
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