

MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATIONS, MUMBAI

Examination, July 2014

CERTIFICATE COURSE IN AUTO-CAD

[ἑἶναι—3 ἰἑἶναι]

(BEthÉ NÖÉ—100)

$$+ \frac{1}{2} \frac{d^2 E}{d\epsilon^2} \div (E + \epsilon - 1)$$

- [illegible]

NÉÉ

1. **MÉ3yÉä^aÉE VÉÉMÉE |É®Ú :-**

20

(+) U.C.S. SÉE ±ÉÉÉÉ ; ðÉÉÉÇ

- (1) Use control storage
- (2) User Co-ordinate system
- (3) Unioned closed Solid.

(4) 1/2 + 1/4 + 1/8 + 1/16 + 1/32 + 1/64 + 1/128 + 1/256 + 1/512 + 1/1024 + 1/2048 + 1/4096 + 1/8192 + 1/16384 + 1/32768 + 1/65536 + 1/131072 + 1/262144 + 1/524288 + 1/1048576 + 1/2097152 + 1/4194304 + 1/8388608 + 1/16777216 + 1/33554432 + 1/67108864 + 1/134217728 + 1/268435456 + 1/536870912 + 1/1073741824 + 1/2147483648 + 1/4294967296 + 1/8589934592 + 1/17179869184 + 1/34359738368 + 1/68719476736 + 1/137438953472 + 1/274877906944 + 1/549755813888 + 1/1099511627776 + 1/2199023255552 + 1/4398046511104 + 1/8796093022208 + 1/17592186044416 + 1/35184372088832 + 1/70368744177664 + 1/140737488355328 + 1/281474976710656 + 1/562949953421312 + 1/1125899906842624 + 1/2251799813685248 + 1/4503599627370496 + 1/9007199254740992 + 1/18014398509481984 + 1/36028797018963968 + 1/72057594037927936 + 1/144115188075855872 + 1/288230376151711744 + 1/576460752303423488 + 1/1152921504606846976 + 1/2305843009213693952 + 1/4611686018427387904 + 1/9223372036854775808 + 1/18446744073709551616 + 1/36893488147419103232 + 1/73786976294838206464 + 1/147573952589676412928 + 1/295147905179352825856 + 1/590295810358705651712 + 1/1180591620717411303424 + 1/2361183241434822606848 + 1/4722366482869645213696 + 1/9444732965739290427392 + 1/18889465931478580854784 + 1/37778931862957161709568 + 1/75557863725914323419136 + 1/151115727451828646838272 + 1/302231454903657293676544 + 1/604462909807314587353088 + 1/1208925819614629174706176 + 1/2417851639229258349412352 + 1/4835703278458516698824704 + 1/9671406556917033397649408 + 1/19342813113834066795298816 + 1/38685626227668133590597632 + 1/77371252455336267181195264 + 1/154742504910672534362390528 + 1/309485009821345068724781056 + 1/618970019642690137449562112 + 1/1237940039285380274899124224 + 1/2475880078570760549798248448 + 1/4951760157141521099596496896 + 1/9903520314283042199192993792 + 1/19807040628566084398385987584 + 1/39614081257132168796771975168 + 1/79228162514264337593543950336 + 1/158456325028528675187087900672 + 1/316912650057057350374175801344 + 1/633825300114114700748351602688 + 1/1267650600228229401496703205376 + 1/2535301200456458802993406410752 + 1/5070602400912917605986812821504 + 1/10141204801825835211973625643008 + 1/20282409603651670423947251286016 + 1/40564819207303340847894502572032 + 1/81129638414606681695789005144064 + 1/162259276829213363391578010288128 + 1/324518553658426726783156020576256 + 1/649037107316853453566312041152512 + 1/1298074214633706907132624082305024 + 1/2596148429267413814265248164610048 + 1/5192296858534827628530496329220096 + 1/10384593717069655257060992658440192 + 1/20769187434139310514121985316880384 + 1/41538374868278621028243970633760768 + 1/83076749736557242056487941267521536 + 1/166153499473114484112975882535043072 + 1/332306998946228968225951765070086144 + 1/664613997892457936451903530140172288 + 1/1329227995784915872903807060280344576 + 1/2658455991569831745807614120560689152 + 1/5316911983139663491615228241121378304 + 1/10633823966279326983230456482242756608 + 1/21267647932558653966460912964485513216 + 1/42535295865117307932921825928971026432 + 1/85070591730234615865843651857942052864 + 1/170141183460469231731687303715884105728 + 1/340282366920938463463374607431768211456 + 1/680564733841876926926749214863536422912 + 1/1361129467683753853853498429727072845824 + 1/2722258935367507707706996859454145691648 + 1/5444517870735015415413993718908291383296 + 1/10889035741470030830827987437816582766592 + 1/21778071482940061661655974875633165533184 + 1/43556142965880123323311949751266331066368 + 1/87112285931760246646623899502532662132736 + 1/174224571863520493293247799005065324265472 + 1/348449143727040986586495598010130648530944 + 1/696898287454081973172991196020261297061888 + 1/1393796574908163946345982392040522594123776 + 1/2787593149816327892691964784081045188247552 + 1/5575186299632655785383929568162090376495104 + 1/11150372599265311570767859136324180752990208 + 1/22300745198530623141535718272648361505980416 + 1/44601490397061246283071436545296723011960832 + 1/89202980794122492566142873090593446023921664 + 1/178405961588244985132285746181186892047843328 + 1/356811923176489970264571492362373784095686656 + 1/713623846352979940529142984724747568191373312 + 1/1427247692705959881058285969449495136382746624 + 1/285

- (1) MD (2) CD
(3) Type (4) Rename.

$$(E_0) \quad \mathbb{E}[E]^{p+1/2} \leq \dots \leq \mathbb{E}[E]^{p+1/2} + \mathbb{E}[E]^{p+1/2}$$

- (1) Input (2) Output
(3) Storing (4) Processing.

(b) OSNAP 1/2 h E V E a b.....

- (1) Other Snap (2) Ortho Snap (3) Object Snap.

[illegible]

- (1) J (2) C (3) O.

(j) Circle $\hat{A}E + EYSE = \{E^aEE p \dots \dots iE^aEE U E^0mEE EE \} EE^0UEE.$

- (1) Poly Lines (2) Ellipse (3) Lines. (4) Circle.

(ME) Construction Lines $\hat{A} \in \mathcal{P} + \mathcal{O}(\epsilon^2)$.

- (1) Reference Lines (2) Thick Lines (3) Poly Lines.

(1/2) Donut 1/20 p..... |ÉÈ®ÈÈ +°ÈÈä

- (1) Reference Lines (2) Thick Lines (3) Poly Lines.

(a) Doc 1/2 < C°E] 0 ExE p j d < E°E E 0 E E E® E E E E.

- (1) $\mathbb{E}[\text{ECSE}^{\text{R}}]$ (2) $\{\bar{X}\} \bar{o}$ (3) $\bar{b}\bar{c}$ (4) $\text{BC}^{\circ}\bar{a}\bar{a}$.

(R) "ÉBý +ÉEñÍÈ ÊÊ°íííé@úÉ xÉ Eò®ííÉ íÈ JÉE+ÈÒ+É +ÉYÉáÉ; Û®ÉííÉ ááááþ.....".

- (1) Zoom (2) Move (3) Pan.

(ENGLISH)

[TIME ALLOWED — 3 HOURS]

(MARKS — 100)

AUTO-CAD (THEORY-I)

- Instructions.*—(1) All questions are *compulsory*.
 (2) Figures to the right indicate *full* marks.
 (3) Draw neat sketches, wherever necessary.

Marks

1. Choose the correct answers :—

20

- (a) Long form of U.C.S. is
 (i) Use control storage
 (ii) User co-ordinate system
 (iii) Unioned closed solid.
- (b) command is used to change the name of existing file.
 (i) MD (ii) CD
 (iii) Type (iv) Rename.
- (c) Printer is device.
 (i) Input (ii) Output
 (iii) Storing (iv) Processing.
- (d) OSNAP
 (i) Other Snap (ii) Ortho Snap (iii) Object Snap.
- (e) Original point and end point are connected together by
 (i) J (ii) C (iii) O.
- (f) Circle command creates
 (i) Poly Lines (ii) Ellips (iii) Lines (iv) Circle.
- (g) Construction Lines are
 (i) Reference Lines (ii) Thick Lines (iii) Poly Lines.
- (h) Donut is
 (i) Reference Lines (ii) Thick Lines (iii) Poly Lines.
- (i) Doc is the extension offile.
 (i) Picture (ii) Paint (iii) Word (iv) Excel.
- (j) To move display without changing magnification is used.
 (i) Zoom (ii) Move (iii) Pan.

[Turn over

2. Answer the following questions (any *two*) :— 16
- (a) Draw the block diagram of Computer.
 - (b) From where Modify option is found ? How do you sketch Hatch from main menu bar ?
 - (c) Explain the setps to draw a Polygon having 5 sides of 60 mm.
3. Answer the following questions (any *two*) :— 16
- (a) What is virus ? What is the affect of virus ? How can prevent our system from virus ?
 - (b) From where Block and Reference option is found ? Explain the use of each command ?
 - (c) For dimensioning the object, which option click from main menu bar ? Explain with the suitable example. How can it use ?
4. Answers the following questions (any *two*) :— 16
- (a) What is the difference between the Software and Hardware ?
 - (b) What is the difference between the Distance and Dimension ?
 - (c) What is the content of Tools menu in main menu bar ? Explain the use of each command.
5. Write short notes on the following (any *four*) :— 16
- (a) UCS
 - (b) Revsurf
 - (c) Printing Devices
 - (d) Computer Language
 - (e) 3D Array.
6. Answer the following questions (any *two*) :— 16
- (a) What do you mean by W.W.W ? Explain with example ?
 - (b) From where the load the object option is found ? Explain how to use with example ?
 - (c) How can insert TEXT in object ? Explain with suitable example. How can it use ?
-