

MAHARASHTRA STATE BOARD OF SKILL DEVELOPMENT EXAMINATION, MUMBAI

Examination—July, 2020

CERTIFICATE COURSE IN BASIC JODARI (ONLY FOR DEAF-DUMB)

[१२५—3 iEE°E]

(BEthE MhE—100)

Eò १/२b÷bA<M (EIE+@01)

MhE

1. (+) JEE+EO+É VEEb÷É VEEpyEE :-

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' + ' ME]ò

' < ' ME]ò

(1) <EE°EE<E÷E+EO(E°E

(+) १/२°EE EòE É <E÷E

(2)]EE°E

(E) bA+É

(3) 'E]aE Eò]°E

(Eò) bA+É 'EE°E GEE]°E

(4) UòpWEEaEO iE(E°E°EhEa

(b) <EE°EE<E÷E+EO(E°E

(5) bA+EOE

(<)]EE.

(E) SthE Eò <EE°E uifE+É/ò :-

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(1) 'EEEOE EG°EaE+Éa+ME+É(E]a GEE =(E°E°E १/२aEa

(2) <E÷E+EO+É EE°E E°E+É°E(EbA+EE°E bE°E°E =(E°E°E E°E°E.

(3) JEEaEO 'EE°EhA+EE°E°E १/२EO°E+EO(E°E°E EE(E°E/2aEa

(4) +E]°E°E°E {E°E iE(E°E°EhA+EE°E°E MEbMEV°E°E =(E°E°E १/२aEa

(5) 'E]°E+É Eò(EhA+EE°E°E°E E°E°E+°E°E =(E°E°E १/२aEa

(Eò) E°E°E°E°E °E(Ea+É/ò (EòMEiE/ò) (E°E°E) :-

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(1) <Eò.B°E.bE+°E

(2)]ò.(Eò.+E°E.

(3) +E°E(Eò.B°E.

(4) +E°E.B°E.+E°E.

(5) <Eò.B.

(6) B°E.+E°E.

(b) E°E°E°E VEE°E E°E (EòMEiE/ò) (E°E°E) :-

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(1) UaxEO (EE°E°E iE°E°E E°E°E°E.

(2) +E÷E+EO E°E+É(E°E°E+É/ò]E १/२ME+É/ò

(3) °E]°E°E°E°E {EE<]ò SEE +É/ò

(4) i°E(b+É {EE°E°E ME°E E°E°E°E E°E°E bE]°E°E =(E°E°E E°E°E°E.

(5) १/२ME°E°E E°E+É(E°E°E E+É]ò E°E°E=]ò +É/ò

(6) bE°E°E°E °E/2aEaEa EG°E E+EO VEEiEa

2. IEEbE°E°E]°E E+É/ò (EòMEiE/ò) (SEE) :-

16

(+) Eò+°E ME°E

(E) bE]°E

(Eò) <E+É(E°E १/२E°E

(b) {EE<E १/२°E

(<) +ME+É {E]ò

(i) १/२EO+°E/2aE°E

3. JEE+0+((E0) EdhEiEz) nñE |E|xE °EEb:EE É xEE Éa tÉ. :— 16
- (+) +E=]0 °EE<D÷ °EEaEGdñ É]0SE0 +EEbiE0 Edfñ.
- (#) °E;æÉ {+É]SE0 +EEbiE0 Edfñ.
- (E0) ½hE0+@ü Ed±É{E°SE0 +EEbiE0 Edfñ.
- (b) }±É]0 bA±ESE0 +EEbiE0 Edfñ.
- (<) +bVÉ]æ±É ½D°EEaESE0 +EEbiE0 Edfñ.
4. EdhEiEz) nñE |E|xE °EEb:EE :— 16
- (+) 50 E'E'É0. #EEVESÉE 'É]EñE °EE(EÉiÉ Edfñ.
- (#) 60 E'E'É0. #EEVESÉE ÉjEEdñE °EE(EÉiÉ Edfñ.
- (E0) 40 E'E'É0. ÉjÉVESÉE 'ÉiÉÿ Edfñ.
- (b) 80 E'E'É0SÉE SÉEEdñE °EE(EÉiÉ Edfñ.
5. EdhEiEz) nñE |E|xE °EEb:EE :— 16
- (+) °]0±É°ü±É (j0]E^0SE0) °EE(EÉ°EE)½E +EEbiE0 Edfñ.
- (#) J0ESE0 +EEbiE0 EdfñE xEE Éa tÉ.
- (E0) +Eb±ÉME Ed±ÉQ{E°SE0 +EEbiE0 EdfñE xEE Éa tÉ.
- (b) @0'E°SE0 +EEbiE0 EdfñE xEE Éa tÉ.
6. EdhEiEz) nñE |E|xE °EEb:EE :— 16
- (+) #SE ½h<ESE0 +EEbiE0 EdfñE xEE Éa tÉ.
- (#) {E0±E@ü {EE<E bA±É 'ÉjÉ0ESE0 +EEbiE0 EdfñE xEE Éa tÉ.
- (E0) EdE±E0EjExE °É]SE0 +EEbiE0 EdfñE xEE Éa tÉ.
- (b) °EEEdñE ±EEEdSE0 +EEbiE0 EdfñE xEE Éa tÉ.

(ENGLISH)

[TIME ALLOWED—3 HOURS]

(MARKS—100)

FREE HAND DRAWING (THEORY-I)**Marks**

1. (a) Match the pairs :—

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' A ' Group**' B ' Group**

- | | |
|---------------------|-------------------------|
| (i) Inside Diameter | (a) Hacksaw frame blade |
| (ii) Tapping | (b) Drill |
| (iii) Metal cutting | (c) Depth Micrometer |
| (iv) Depth of Hole | (d) Inside caliper |
| (v) Drilling | (e) Tap. |

(b) State *true* or *false* :—

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- (i) Angel plate is used for marking operation.
- (ii) Die is used operation of producing outside threaded.
- (iii) Vernier caliper is used for measuring depth diameter.
- (iv) Thread gauge is used to check thread pitch diameter.
- (v) Chisel is used to cutting metal.

(c) State long form (any *five*) :—

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- (i) B.S.W.
- (ii) T.P.I.
- (iii) R.P.M.
- (iv) I.S.I.
- (v) B.A.
- (vi) S.I.

(d) Fill in the blanks (any *five*) :—

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- (i) Chisels are made from
- (ii) Odleg caliper is also known as
- (iii) Point of angle of center punch is
- (iv) Drift is used to remove the
- (v) The least count of vernier calipers is
- (vi) From operation Dig Cast can be made.

[Turn over

2. Write short notes (any *four*) :— 16
- (a) Radius Gauge
 - (b) Dot Punch
 - (c) Ball pen Hammer
 - (d) Pipe vice
 - (e) Angle plate
 - (f) Vernier Height Gauge.
3. Attempt any *two* of the following :— 16
- (a) Draw a free hand sketch of out side micrometer.
 - (b) Draw a free hand sketch of Surface plate.
 - (c) Draw a free hand sketch of Vernier calipers.
 - (d) Draw a free hand sketch of Flat Drill.
 - (e) Draw a free hand sketch of Adjustabal Hacksaw frame.
4. Attempt any *two* of the following :— 16
- (a) Draw a Hexagon having 50 mm. side.
 - (b) Draw a Triangle having 60 mm. side.
 - (c) Draw a Figure of circle having 40 mm. radius.
 - (d) Draw a Figure of square with Length 80 mm.
5. Attempt any *two* of the following :— 16
- (a) Draw a figure of steel rule and gradnition.
 - (b) Draw a figure of TAPs and name it.
 - (c) Draw a figure of odleg caliper and name it.
 - (d) Draw a figure of Reamer and name it.
6. Attempt any *two* of the following :— 16
- (a) Draw a figure of Bench vice and name it.
 - (b) Draw a figure of Pilear type drill Machine and name it.
 - (c) Draw a figure of Combination set and name it.
 - (d) Draw a figure of Marking block and name it.
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