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C09-MET-M-RAC-307

3251

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

DME - THIRD SEMESTER EXAMINATION

MACHINE DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

10×2=20

- Instructions :**
- (1) Answer *any two* questions.
 - (2) Each question carries **ten** marks.
 - (3) **All** dimensions are in mm. Use Standard data.

1. Draw any two thread profiles with proportions.
2. Draw two views of single riveted lap joint.
3. Show the weld symbols for the following :
 - (a) Single V-butt weld
 - (b) Spot Weld
 - (c) Plug Weld
 - (d) Convex Fillet weld
 - (e) Grinding finish
4. Draw the single line symbols for the following pipe fittings :
 - (a) Cap
 - (b) Tee
 - (c) Union
 - (d) Reducer
 - (e) Gate valve

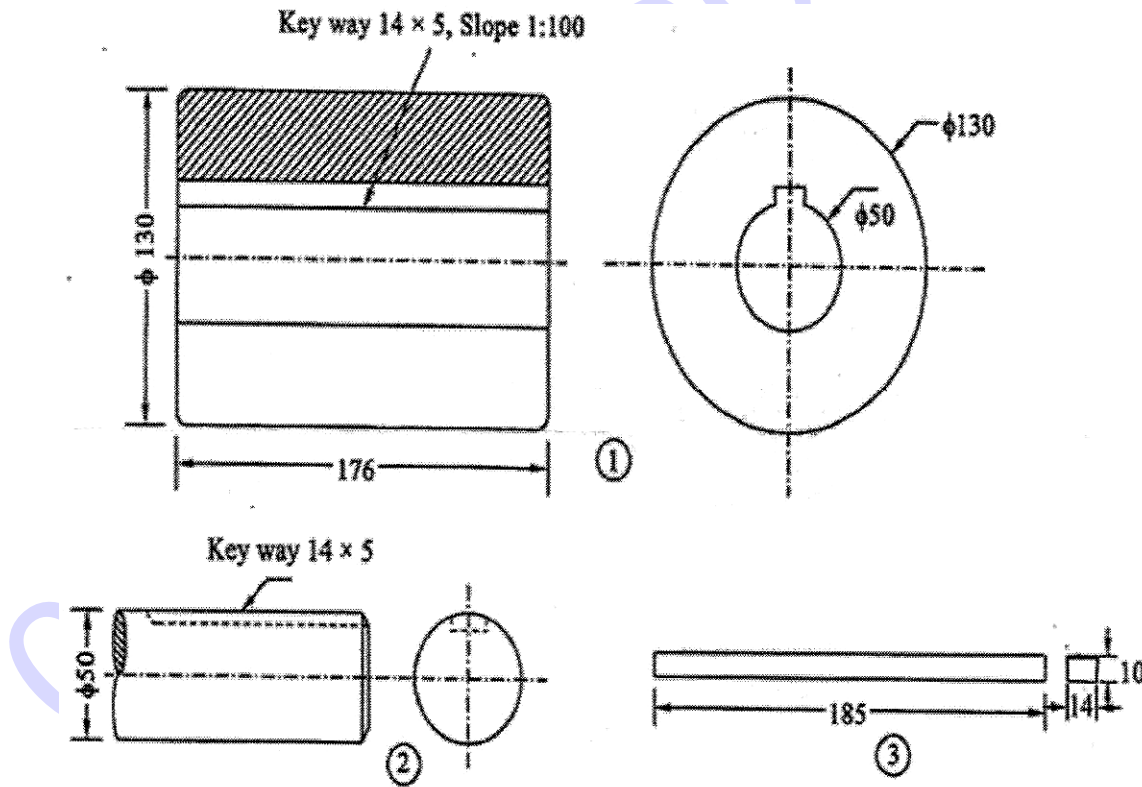
PART—B

40×1=40

- Instructions :** (1) Answer *any one* question.
 (2) Each question carries **forty** marks.
 (3) All dimensions are in mm. Use Standard data.
 (4) Use missing data suitably, if any.

5. Assemble together the parts of the Solid muff coupling shown in the figure and draw its following views : 20+10+10=40

- (a) Sectional front view
 (b) Left side view



Part no	Name	Material	Qty
1	Muff of sleeve	CI	1
2	Shaft	MS	2
3	Key	MS	1

6. Assemble together the parts of the Foot step bearing shown in the figure and draw its following views : 20+10+10=40

(a) Sectional front view

(b) Top view

