



C09-M-407

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BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—2016
DME—FOURTH SEMESTER EXAMINATION
PRODUCTION DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

5×4=20

- Instructions** : (1) Answer **all** questions.
(2) Each question carries **five** marks.

1. Write the toleranced dimensions of a shaft and hub assembly of size 150 mm to give a fit of H7-P6. What is the type of fit?
2. Draw the conventional symbols for the following :
 - (a) Square on shaft
 - (b) Straight Knurling
 - (c) Internal screw threads
 - (d) Bevel gear
 - (e) Semi elliptical leaf spring with eyes
3. Draw the symbols for following :
 - (a) Parallelism
 - (b) Symmetry
 - (c) Coaxiality
 - (d) Position
 - (e) Cylindricity

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4. Write the surface roughness values for the following :

- (a) Planing
- (b) Reaming
- (c) Extrusion
- (d) Die-casting
- (e) Lapping

PART—B

40

- Instructions** : (1) Answer *any one* question.
(2) Each question carries **forty** marks.
(3) Choose suitable scale.

5. Study the assembly drawing (Page 3) of single tool post :

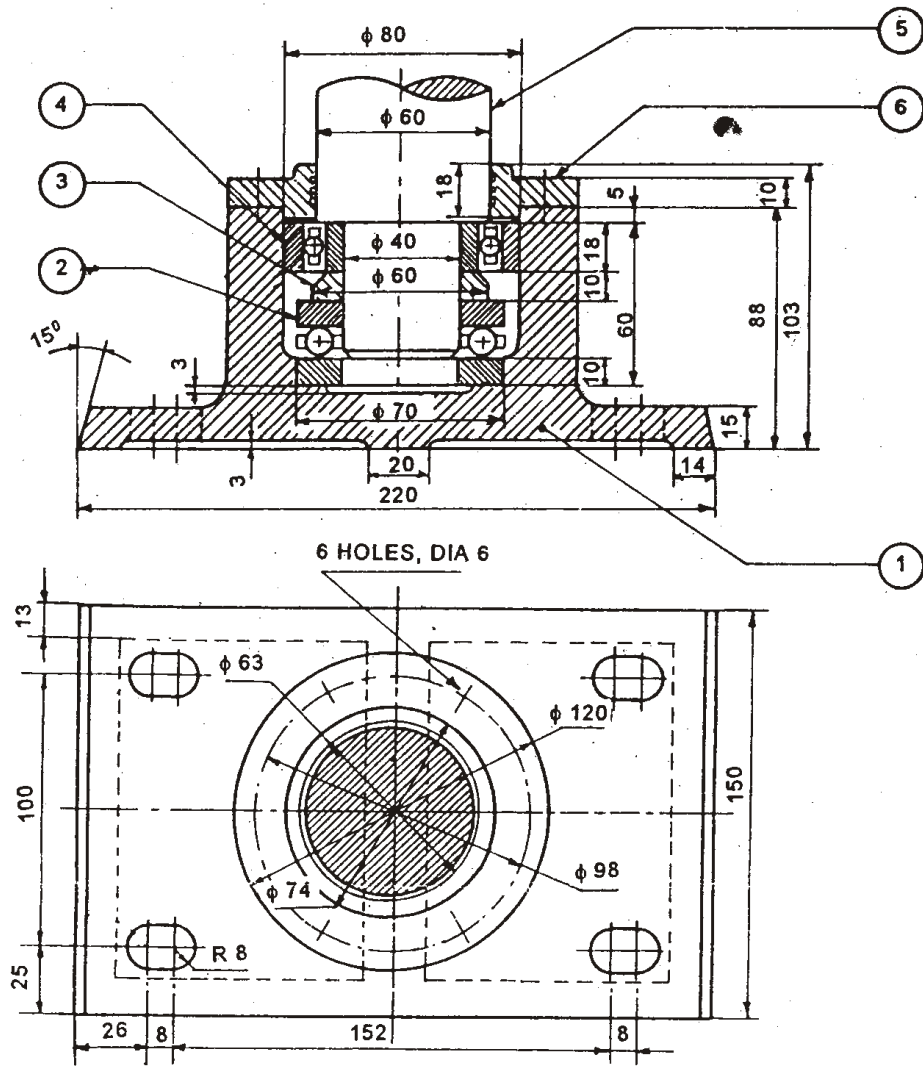
30+5+5=40

- (a) Draw the component drawings selecting suitable tolerances for parts 1, 3 and 6.
- (b) Prepare the process sheet for spacer.
- (c) Recommend surface roughness values on parts 1 and 3.

6. Study the given assembly drawing (Page 4) of stuffing box :

30+7+3=40

- (a) Draw the component drawings selecting suitable tolerance for parts 1, 2, 3, 5.
- (b) Prepare the process sheet for 'Gland'.
- (c) Write the material list for all parts.



FOOT-STEP BEARING

Part No.	Name	Qty.
1	Base	1
2	Thrust ball bearing	1
3	Spacer	1
4	Ball bearing	1
5	Shaft	1
6	Cover	1

