



DBW-1901390201020300 Seat No. _____

First Year B. A. (ID) (Sem. II) Examination

July - 2022

Technical Representation Drawing-II

Time : 3 Hours]

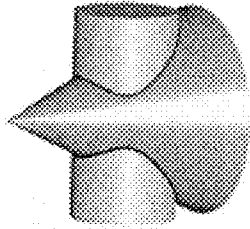
[Total Marks : 50

- Instructions :** (1) All questions are compulsory.
(2) Any ambiguity will be considered as a wrong answer.

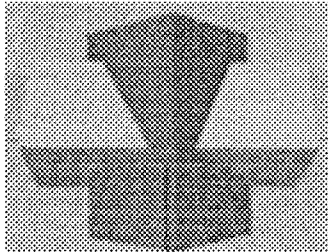
1 Choose the correct answer : 10

- (1) The surfaces of which intersect one another in lines which are called line of _____.
- (a) projection (b) section
(c) intersection (d) none of these
- (2) The line of intersection formed is curve while two solids intersect the solids may be _____.
- (a) cube, triangular prism
(b) pentagonal prism, cone
(c) triangular pyramid, cube
(d) triangular prism, square pyramid
- (3) The line of intersection formed is curve while two solids intersect the solids may be _____.
- (a) cone, cylinder (b) cube, prism
(c) pyramid, cube (d) pyramid, cuboid
- (4) A prism and cone got intersected at 90 degrees the line of intersection will be _____ and parallel to axis of _____.
- (a) straight line, prism (b) curve, prism
(c) straight line, cone (d) curve, cone
- (5) What is the angle of sciography?
- (a) 30 (b) 45
(c) 60 (d) 90

- (6) The red, blue curve in the figure (shown below) represents _____.



- (a) welding
(b) joining
(c) fitting
(d) curve of intersection
- (7) The figure (4-sided) below represents the intersection of _____.



- (a) triangular prism standing and triangular prism penetrating
(b) cylindrical prism standing and square prism penetrating
(c) square prism standing and square prism penetrating
(d) triangular prism standing and square prism penetrating
- (8) Long shadows with different positions are found when sun is low in western horizon in _____.
- (a) Afternoon
(b) Noon
(c) Late afternoon
(d) Sunset
- (9) The development of lateral surfaces of a pentagonal pyramid is _____.
- (a) Five rectangles
(b) Five squares
(c) Five triangles
(d) Five circles
- (10) The development of cylinder is a _____.
- (a) triangle
(b) rectangle
(c) square
(d) trapezium

- 2 A cone having 40mm diameter and height 50mm with axis parallel to VP and perpendicular to the HP, resting on the ground and 100mm away from V.P. Draw the sciography of it. **10**

OR

- A square pyramid having base 40×40 mm and height 55 mm. its axis parallel to the V.P. and perpendicular to the H.P., resting on the ground and 80mm away from V.P. Draw the sciography of it. **10**
- 3 A vertical cylinder of 60mm diameter and 90mm length is completely penetrated by a cone, base 60mm diameter and axis 80mm long, the two axes bisecting each other at right angles. Draw the projections showing lines of intersection. **15**

OR

- A vertical square prism, base 50mm side and 90mm length, is completely penetrated by a horizontal square prism, base 35mm side and 100mm length, so that their axes intersect 6mm apart. The axis of the horizontal prism is parallel to the V.P., while the faces of two prisms are equally inclined to the V.P. Draw the projections of the solids, showing lines of intersection. **15**
- 4 Draw the development of surfaces of Q.3 **15**
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