

ARYA COLLEGE OF ENGINEERING & IT

II SEM. INTERNAL PRACTICAL ASSESSMENT 2019-20

Computer Aided Machine Drawing CAMD (2FY3-29)

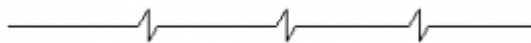
TIME: 45 MIN

MM: 30

NOTE:

- Attempt **all** questions. All question carry **equal** marks
 - Answer Sheet must be written in **STUDENT OWN HAND-WRITING**.
 - The duration of the question paper would be **45 minutes**. An additional **15 minutes** will be given to the students for uploading the answer-sheets only in the **pdf format**, on the **Google Classroom**.
 - The answer-sheets uploaded after the specified time duration will be rejected and not be evaluated by the examiner.
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1. Which of the following instrument can be used to draw accurate perpendicular lines, parallel lines and angular lines?
 - a) Mini – drafter
 - b) T – square
 - c) Protractor
 - d) Set square
2. According to the Indian Standard Institute (ISI), which among the following designation has the size 1000 x 700 (in mm)?
 - a) B0
 - b) B1
 - c) B2
 - d) B3
3. What is the standard length and width of the arrowhead of dimension lines?
 - a) 2mm and 2mm
 - b) 3mm and 1mm
 - c) 4mm and 2mm
 - d) 3mm and 2mm
4. The sizes from A0 to A5 increases.
 - a) True
 - b) False
5. What is the next size of 210 mm x 297 mm in drawing papers?
 - a) 148 mm x 210 mm
 - b) 297 mm x 420 mm
 - c) 420 mm x 594 mm
 - d) 105 mm x 148 mm
6. The line given below is used for_____



- a) Long-break line
- b) Cutting planes
- c) Centroidal lines
- d) Out lines of adjacent parts

7. Which are the two systems of placing dimensions?
 - i. Aligned system, ii. Break system, iii. Unidirectional system, iv. Directional system
 - a) i, ii
 - b) i, iii
 - c) ii, iv
 - d) i, iv
8. For Whitworth thread, the angle between the two flanks is ____
 - a) 55 degrees
 - b) 47.5 degrees
 - c) 29 degrees
 - d) 45 degrees
9. If a nut, when turned in clockwise direction screws on a bolt, the thread is a left-hand thread.
 - a) True
 - b) False
10. The necessary diameter (d) for thickness of plates (t) is ____
 - a) $d = 6\sqrt{t}$
 - b) $d = 4\sqrt{t}$
 - c) $d = 6\sqrt{2t}$
 - d) $d = 4\sqrt{2t}$
11. Tearing of the plate between the holes is taken when ____
 - a) they are near to each other
 - b) the hole is too near the edge
 - c) diameter of rivet is too small
 - d) rivet and plate is of different metals
12. In a lap joint, if the plates are connected to each other when the joint is made with only one row of rivets then it is called double-riveted lap joint.
 - a) True
 - b) False
13. Which of the following structural section is not considered for rivet joints?
 - a) Tee section
 - b) Flat section
 - c) I section
 - d) Circular section
14. When the interior of an object is complicated, which of the following view is used?
 - a) Front view
 - b) Side view
 - c) Top view
 - d) Sectional view
15. When the cutting plane cuts the entire object the section is known as ____
 - a) Full section
 - b) Half section
 - c) Revolved section
 - d) Removed section
16. The section which cuts the object at an angle is called ____
 - a) removed section
 - b) broken out section
 - c) auxiliary section
 - d) assembly section
17. The height, width, and depth of an object can be shown with a minimum of how many orthographic projection views?
 - a) six
 - b) three
 - c) two
 - d) four

18. For orthographic projection, the engineering custom in Europe dictates the use of:
- first-angle projection
 - second-angle projection
 - third-angle projection
 - fourth-angle projection
19. Which type of line is particular to section drawings?
- break lines
 - phantom lines
 - extension line
 - cutting plane lines
20. Square threads are used for _____
- power transmission
 - clamping devices
 - easy operation of engagement and disengagement
 - fastening purpose
21. Threads are classified into V thread, Acme thread, Knuckle thread, etc. on the basis of _____
- start of threads
 - hand of helix
 - profile of the groove
 - surface
22. Which of the following isn't a main part of rivet?
- Head
 - Shank
 - Point
 - Thread
23. A rivet is specified as a 20mm rivet. What does it mean?
- None of the mentioned
 - Shank dia 20mm
 - Head dia 20mm
 - Both head and shank dia 20mm
24. In joining steel plate and asbestos, welding is preferred over riveting.
- True
 - False
25. Quality checking of riveted joint is much expensive than that of welded joint.
- True
 - False
26. A strap is used in a lap joint which is riveted to each of the two plates.
- True
 - False
27. Can we use rivets of the same materials as the parts to be joined?
- True
 - False
28. Failure in rivet occurs by which mode?
- Shear
 - Compression
 - Tensile
 - Each of the mentioned
29. Which of the following is not a valid representative factor?
- 1:2
 - 1:3
 - 2:5
 - 0:4
30. Which of the following scales is a reducing scale?
- 3:2
 - 1:3
 - 1:1
 - 1:0.4