

ENGINEERING GRAPHICS – SPPU QUESTION BANK (2024 PATTERN)

Most Repeated Questions (2018 – 2023)

Question pattern stays the same – only values change

UNIT 1: Projection of Point & Line

Sr	Question	Years Repeated
1	A line AB 100 mm long is inclined at 30° to HP and 45° to VP. One end is in HP, 15 mm in front of VP. Draw projections.	2018, 2020, 2023
2	A line PQ 80 mm long is inclined at 30° to HP. One end is 15 mm above HP, 20 mm in front of VP. Plan measures 65 mm.	2019, 2021, 2022
3	Draw projections of a point located 30 mm above HP and 20 mm behind VP. Show all 4 quadrant positions.	2020, 2021
4	A line 70 mm long is inclined at 40° to VP and 30° to HP. One end is 20 mm above HP and 15 mm in front of VP. Draw projections.	2019, 2022, 2023

UNIT 2: Projection of Planes

Sr	Question	Years Repeated
1	A circular plate (diameter 60 mm) is inclined at 45° to HP and perpendicular to VP. Draw its projections.	2018, 2020, 2023
2	A square plate 50 mm side has one corner in HP. Surface inclined 30° to HP, diagonal makes 45° with VP.	2019, 2022
3	A pentagonal lamina 40 mm side has one side in HP and parallel to VP. Surface is inclined at 30° to HP.	2020, 2021
4	A hexagonal plate 35 mm sides rests with one corner on HP. The surface is inclined 45° to HP. One side is parallel to VP.	2018, 2023

UNIT 3: Engineering Curves & Development of Surfaces

Sr	Question	Years Repeated
1	Construct an ellipse by concentric circles method. Major axis 100 mm, Minor axis 60 mm.	2018, 2021, 2023
2	Draw the involute of a circle with 50 mm diameter.	2019, 2020, 2022

Sr	Question	Years Repeated
3	Draw a cycloid for a 40 mm diameter circle rolling on a horizontal line for one revolution.	2020, 2021, 2023
4	Develop lateral surface of a cone (base 60 mm, height 75 mm).	2019, 2022, 2023

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