

I B. Tech I Semester Supplementary Examinations, May - 2017**ENVIRONMENTAL STUDIES**

(Com. to CE, EEE, ME, CHEM, BOT, AE, AME, MTE, MM, PE, PCE, AGE)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answering the question in **Part-A** is Compulsory
 3. Answer any **FOUR** Questions from **Part-B**
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PART -A

1. a) Explain about food chain and food web. (2M)
- b) Why soil gets degraded? (2M)
- c) Explain Hot-spots of biodiversity. (2M)
- d) Name any two nuclear power stations in India. (2M)
- e) Expand: IPCC; MoEF. (2M)
- f) How CFCs are accumulated in atmosphere? (2M)
- g) What is green campus? (2M)

PART -B

2. a) Explain the structure and function of an ecosystem. (8M)
- b) What is the function of a Forest ecosystem? (6M)
3. a) What do you understand by over utilization of surface and ground water resource? Discuss its effects. (8M)
- b) Discuss about man induced land slider. (6M)
4. a) Define biodiversity. Explain the values of biodiversity. (8M)
- b) Bring out the difference between exsitu and insitu conservation of biodiversity. (6M)
5. a) Discuss the effects of urbanization which is causing pollution in cities and towns. (8M)
- b) Explain the causes, effects and control measure of Noise pollution. (6M)
6. Discuss the provisions which empower the government to take appropriate action in respect of
 - a) The wild life (Proportion) Act, 1972 (7M)
 - b) The Forest (Conservation) Act. 1980 (7M)
7. Write short notes on
 - a) Various stages of EIA (5M)
 - b) Preparation of EMP (5M)
 - c) Green business (4M)



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ENGINEERING DRAWING
 (Com. to ECE, EIE, E.Com.E)

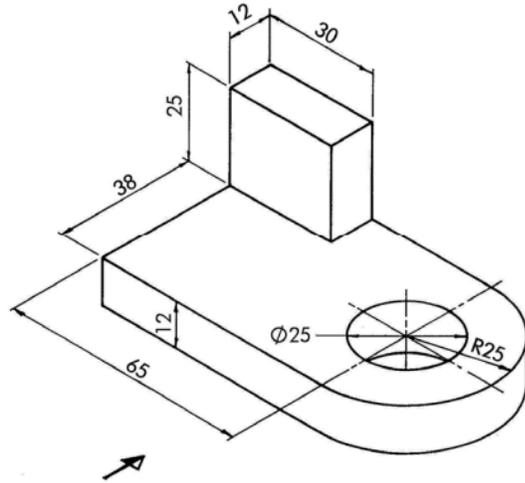
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PART -A

1. a) Draw hexagon with a side of 40 mm. (4M)
- b) Draw three views of the following component in first angle projection. Take all dimensions are in mm. (10M)



PART -B

2. a) A cricket ball thrown from the ground level reaches the wicketkeeper's gloves. Maximum height reached by the ball is 5 m. The ball travels a horizontal distance of 11 m from the point of projection. Trace the path of the ball. (8M)
- b) Draw an octagon given the length of side 25mm. (6M)
3. a) Construct a diagonal scale 1/50, showing metres, decimetres and centimetres, to measure upto 5 metres. Mark a length 4.75 m on it. (6M)
- b) A line CD 75 mm long is parallel to VP. And perpendicular to HP. End C is 35 mm above HP. And 20 mm in front of VP. End D is above HP. Draw the projections of the line CD and find its traces. (8M)
4. A straight line AB of 75 mm long, has the end A on V.P and the end B on H.P. (14M)
 The line is inclined at 30° to V.P and its front view makes an angle of 45° with xy. Draw the projections of the line and add the left side view and locate the traces.



5. A rectangular lamina of size 50 mm \times 40 mm has a coaxial circular hole of 30 mm diameter. It is resting on HP with a shorter edge perpendicular to VP. The surface of the lamina is inclined at 35° to HP. Draw the top, front and left side views. (14M)
6. a) A hexagonal prism with side of base 25 mm and 50 mm long is resting on a corner of its base on HP. Draw the projections of the prism when its axis is making 30° with HP and parallel to VP. (8M)
- b) Draw the projections of a right circular cone of base 40 mm diameter and height 60 mm when resting with its base on HP. (6M)
7. Using First Angle Projection, Draw the Orthographic Views of the object shown in below Figure. (14M)

