

**Eighth Semester B.E. Degree Examination, Aug./Sept.2020**  
**Project Management and IPR**

Time: 3 hrs.

Max. Marks:100

**Note:** Answer any FIVE full questions, selecting atleast TWO questions from each part.

**PART - A**

- 1 a. Explain the characteristics of Project and Project Management. (10 Marks)  
 b. Write short notes on : i) Work Breakdown structure ii) Events and Milestone. (10 Marks)
- 2 a. Explain AOA and AON methods of network construction. (10 Marks)  
 b. Write a short note on Gantt chart. (05 Marks)  
 c. Draw a network diagram and determine the critical path for the following :

Sl.No	Job/Activity	Predecessor Activity	Duration (Days)
1	A	-	5
2	B	A	11
3	C	B	13
4	D	B	11
5	E	B	15
6	F	C, D	7
7	G	E, F	7
8	H	G	5

(05 Marks)

- 3 a. Describe the role of computers in project management systems and add a note on essential requirements. (10 Marks)  
 b. Write an account on Program Evaluation and Review Technique (PERT). (10 Marks)
- 4 a. Define the Project audit. Mention the types of project audit. Explain the objectives and phases of project audit. (10 Marks)  
 b. Explain the project planning, scheduling and implementation with a case study. (10 Marks)

**PART - B**

- 5 a. Define Intellectual Property Rights (IPR). What are the different forms of IPR? Explain any two forms of IPR. (12 Marks)  
 b. Describe the basic principles of patent laws in India. (08 Marks)
- 6 a. Describe the agreements on Trade Related Intellectual Property Rights (TRIPS). (10 Marks)  
 b. Write short notes on :  
 i) Paris Convention (1883) ii) Madrid Agreement (1891). (10 Marks)
- 7 a. Explain the evolution of biotechnology and add a note on commercial potential of Biotechnology. (10 Marks)  
 b. Define the concepts of novelty and inventive steps in Biotechnology. Write in brief the role of microorganisms in Biotechnology inventions. (10 Marks)
- 8 Write short notes on :  
 a. Traditional knowledge  
 b. Bioprospecting and Biopiracy  
 c. Plant variety protection in India  
 d. UPOV Guidelines. (20 Marks)

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