BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCH:	: B.TECH SEM CH: CIVIL/CHEMICAL/EEE/ECE/IT/MECH SESS							SEMES SESSIO	STER : IV ON : SP/2023		
TIME:	SUBJECT: PE309 PROJECT MANAGEMENT 3 Hours FULL							MARKS: 50			
INSTRUCT 1. The qu 2. Attemp 3. The mi 4. Before 5. Tables	IONS: estion paper contair ot all questions. ssing data, if any, m attempting the que /Data hand book/Gra	ns 5 questions e hay be assumed s stion paper, be aph paper etc. to	ach of 1 suitably. sure tha o be sup	0 mark it you h plied to	s and to ave got o the ca	the co	marks. rrect qu es in the	estion pap examinat	er. ion h	all.	
Q.1(a) S Q.1(b) V Q.1© V t	Summarize the various stages of project life cycle. What are the causes of delay of the projects? How you can eliminate them? What do you understand by projects? Discuss its need. Explain the factors which should be taken into account while developing a new project.								[2] [3] [5]	CO 1 1 1	BL 1 4 4
Q.2(a) L Q.2(b) L Q.2(C) E	List the key elements of Organization Structure. Discuss the roles and responsibilities of a project manager. Explain the various factors to be considered in Project Appraisal.								[2] [3] [5]	2 2 2	1 2 4
Q.3(a) S Q.3(b) E Q.3(C) E	State the feasibility analysis of a project? Explain the factors affecting Social Cost Benefit analysis. Enumerate the Importance of Environmental consideration in project evaluation.								[2] [3] [5]	3 3 3	2 2 4
Q.4(a) [Q.4(b) [Q.4(C) [F [(Define Activity-on-noo Discuss the rules for n Determine the critica nitial Node 1 Ginal Node 2 Duration(Days) 5 Calculate: EST,LST.EF	de (AON) networ network construc l path for the ac 1 2 3 3 6 3 FT,LFT, FF and T	k diagran ition. tivity giv 2 4 8 F for eac	m? ven belo 3 5 2 ch activi	ow: 3 6 11 ity.	4 5 0	4 6 1	5 6 12	[2] [3] [5]	4 4 4	1 2 4
Q.5(a) [Q.5(b)]	Differentiate between PERT and CPM? Tasks A,B,C,H,I constitute a project. The precedence relationship are. A <d; <f;="" a<e;="" b<="" c<g;="" c<h;="" d="" f;="" f<="" g<="" i.<="" i;="" td=""><td>[2] [3]</td><td>5 5</td><td>2 3</td></d;>								[2] [3]	5 5	2 3
Q.5(C) 4 4 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Oraw a network to replay a small project is commended by a small project is commented by a smal	present the projection prosed of nine ac tm 8 20 33 18 20 9 10 8 4 ration and variant ty that project w	ect. tivities v nce of ea ill be con	whose ti	ime est vity. 1:	mates (days) ar	e listed in	[5]	5	4

(ii) No more than 5days later than expected time.