Code No.: 16136 AS (A)

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. VI-Semester Advanced Supplementary Examinations, August-2022 Project Management (OE-IV)

Time: 3 hours

Max. Marks: 60

Note: Answer all questions from Part-A and any FIVE from Part-B

Part-A $(10 \times 2 = 20 \text{ Marks})$

Q. No.			Stem of t	he question			M	L	CO	PO
1.	List types	s of organi	zation.		0008		2	1	1	9,11
2.	Explain p	orinciple o	f organization	n.			2	2	1	9,11,
3.	Different	iate betwe	en CPM and	PERT.			2	1	2	1,11
4.	What is c	critical patl	h?				2	1	2	1,11
5.	Define i)	Normal p	roject time	ii) Norm	al cost		2	1.	3	11
6.	Explain t	he terms	i) Crash c	ost ii) Crash	duration		2	1	3	1,11
7.	Classify	construction	on contracts.				2	2	4	6,11
8.	Define Ir	ndian contr	ract act.				2	1	4	6,11
9.	Explain o	optimizatio	on.				2	2	5	3,11
10.	Explain a	about linea	ır programmi	ng			2	2	5	3,11
			Part-B (5 ×	8 = 40 Mark	s)		reite			
11. a)	Explain t	he merits	and demerits	of a functiona	al organization	1	4	2	1	9,11
b)	Explain 1	the functio	ns of project	management			4	2	1	9,10,11
12.	activities	are furnis		ne network dia	time estimate		8	3	2	2,3,11
		Activity	Optimistic	Most likely	Pessimistic		u Th			
	1 2	1-2	6	10	14					
		1-3	5	7	15					
		2-3	3	5	7					
		2-4	4	7	16					
		3-5	2	4	7					
		3-6	3	6	15					
		4-5	2	5	7					
	1.0	5-7	2	10	12					
		6-7	3	5	7			2		

in	1/
1	

13.			num cost and costs are Rs 2	and the same of th		roject. The	8	3	3	3,11
	3 <u>- 170</u>	Activity	Normal Duration (Weeks)	Normal Cost (Rs)	Crash Duration (Weeks)	Crash Cost (Rs)				
		1-2	6	7000	3	14500				
		1-3	8	4000	5	8500				
		2-3	4	6000	1	9000				
		2-4	5	8000	3	15000				
	Ņ.	3-4	5	5000	3	11000				
14. a)	Expla	in tender a	nd tender notic	ce.		1 1 mg 2 2 2 2	4	2	4	6,11
b)	Expla	in the suita	ability, merits a	and demerits	of Lump sum	contract.	4	2	4	6,8,11
15. a)	Optim		ollowing linear	r programm	ing model by	Graphical	5	3	5	1,2,3
	I					an democratic				
	8	Maximiz	$z = 24X_1 + 32$	$2X_2$						
		Subject t	o constraints	40X ₁	$+80X_2 \le 560$					
				6X1+	$8X_2 \le 72$	J08				
				With $X_1 \ge$						
b)	Expla	in the vario	ous fields in w	hich optimiz	zation is adopt	ed.	3	3	5	1,11
16. a)	Categ	orize the o	bjectives of pr	oject manag	ement.	i e il Banc	4	2	1	11
b)	-	in the guid ork Diagra	delines to be m.	followed for	better repres	entation of	4	3	2	1,11
17.	Answ	er any two	of the followi	ng:						
a)	Expla	in direct co	ost and indirec	t cost.		nioe seveit di Pren the		1	3	1,11
b)	Classi		arious tender	documents	enclosed to	the tender	4	2	4	11
c)	1	entiate be amming.	tween Graphi	cal and Sim	iplex methods	s in Linear	4	3	5	1,2

M : Marks; L: Bloom's Taxonomy Level; CO; Course Outcome; PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	26.66
ii)	Blooms Taxonomy Level – 2	40
iii)	Blooms Taxonomy Level – 3 & 4	33.34