Q.P. Code: 26238

3 Hours

Total marks :80

		Answer any	y four qu	estions.									
Q.1		-	-										(20)
	a	What precautions will you take while storing and handling explosives?											04
	b	State the roles & responsibilities of a material manager.											04
	c Explain VED Analysis and SDE Analysis.												04
	d	What is a purchase order? Draw its typical format.											04
	e	State the procedure for condemnation of an equipment.											04
Q.2													(20)
	a	Explain Vendor Analysis and its importance.											
	b	Explain the challenges before HRM in Indian as well as global context.											
	c	Elaborate: i) Job Description ii) Job Specification iii) Job Design.											
Q.3													(20)
	a	State the factors to be considered while selecting construction equipments for a project.											
b How does jobsite layout & site inspection help in effective store										s management?			
~ .	с	How does pe	erforman	ce appra	aisal he	lp in ca	apacity b	ouilding	of a wor	kforce?			06
Q.4													
	a	Discuss the	objective	es & Fun	iction c	of Hum	an resou	irce Plar	nning.				08
	b	What is EOQ? The rate of use of a particular raw material from stores is 40/year. The cost 09											: 08
		of placing and receiving an order is Rs.80. The cost of each unit Rs200. The cost of carrying										5	
		inventory in percent/year is 0.32 and it depends on the average stock. Determine i) The										;	
		Economic or	der Quai	ntity ii) i	f the le	ead time	e is 6 mo	onths, ca	alculate r	ecorder	point.		
~ -	с	Justify: Bull	dozer is	a versati	le equi	pment.							04
Q.5													
	a	Carry out ABC analysis and comment on the same.										08	
		Item No	1	2	3	4	5	6	7	8	9	10	
		Unit cost	5	11	15	8	7	16	20	4	9	12	
		Annual	49000	3000	300	800	4700	1200	17000	400	5000	500	
		Demand											
	b	What are the	e objectiv	ves & im	portan	ce of e	mployee	training	g?				06
	с	Write a note on indices used for assessing the effectiveness of inventory management. 00											
Q.6													(20)
	а	Earth is to b	e excava	ted from	ı a pit a	and hau	iled to a	constru	ction site	e 2.4 km	ns away.	Weight	i 10
		of earth $= 16$	500 kg/m	³ ,Swell	of earth	h = 25 °	%, Haul	resistar	nce & Ro	lling rea	sistance	both are	<u>;</u>
		23 kg/tonne.	Earth wi	ill be ex	cavated	d using	a powe	r shovel	with an	output	of 214 r	n ³ /hour.	•
		Excavated earth will be hauled using tractor pulled dump wagon which is initially located										l	
		at the excavation pit. The tractor engine is of 200 HP while the wagon capacity is 12 m^3										3	
		heaped volume. The combined weight of tractor and wagon is 16700 kg. Speed of hauling										;	
		vehicle in empty and full condition is 50 kmph and 30 kmph respectively. Calculate the										•	
		number of tr	ips requi	red, nur	nber of	haulin	g units 1	needed a	and Volu	me haul	ed per u	nit.	

b Enlist different drilling equipments. Differentiate between Percussion drill and Abrasion 10 drill.
