Name:

**Enrolment No:** 



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2019

## Course: BBA AIS

Semester: III

## Programme: Cost and management accounting Time: 03 hrs.

Max. Marks: 100

## Instructions: ALL QUESTIONS ARE COMPULSORY

**SECTION A (20 Marks)** 

S. No.	Multiple Choice Questions	Marks	CO
0.1			
Q 1	Fire insurance of stock can be apportioned on the basis of		
	a) Value of stock	•	4
	b) Volume of stock	2	1
	c) Number of stores requisition		
0.0	d) Material used		
Q 2	Batch costing is useful to determine		
	a) Maximum quantity of output		
	b) Minimum quantity of output	2	2
	c) Economic batch quantity		
	d) Profit of batches		
Q 3	Contract account is		
	a) A nominal account		
	b) A real account	2	1
	c) A personal account		
	d) Either nominal account or real account		
Q 4	The cost which is to be incurred even when a business unit is closed is a		
	a) Imputed cost		
	b) Historical cost	2	1
	c) Sunk cost		
	d) Shutdown cost		
Q 5	Direct expenses are also called		
-	a) Major expenses		
	b) Chargeable expenses	2	2
	c) Overhead expenses		
	d) Sundry expenses		
Q 6	Total of all direct costs is termed as		
	a) Prime cost		
	b) Works cost		
	c) Cost of sales	2	2
	d) Cost of production		
	-,		
Q 7	Basic objective of cost accounting is		
-	a) Tax compliance		2
	b) Financial audit	2	3
	c) Cost ascertainment		

	d) Profit analysis		
Q 8	Process costing is suitable for a) Hospitals b) Oil Refinery firms c) Transport firms d) Brick laying firms	2	3
Q 9	Difference between job time and attendance time is <ul> <li>a) Job time</li> <li>a) Actual time</li> <li>b) Over time</li> <li>c) Idle time</li> </ul>	2	3
Q 10	Operating costing is suitable for a) Job order costing b) Contractors c) Sugar industries d) Service industries SECTION B	2	3
01	A job can be executed either through workman A or B. A takes 32 hours to complete		
Q1	<ul> <li>the job while B finishes it in 30 hours. The standard time to finish the job is 40 hours.</li> <li>The hourly wage rate is same for both the workers. In addition workman A is entitled to receive bonus according to Halsey plan (50% sharing) While B is paid bonus as per Rowan plan. The works overheads are absorbed on the job at Rs. 7.50 per labour hour worked. The factory cost of the job comes to Rs. 2600 irrespective of the workman engaged.</li> <li>Find out the hourly were rate and cost of raw materials input. Also show cost against each element of cost included in factory cost.</li> </ul>	10	2
Q2	Mr. A is working by employing 10 skilled workers. He is considering the introduction of some incentive scheme-either Halsey scheme (with 50% bonus) or Rowan scheme of wage payment for increasing the labour productivity to cope with the increased demand for the product by 25%. He feels that if the proposed incentive scheme could bring about an average 20% increase over the present earnings of the workers, it could act as sufficient incentive for them to produce more and he has accordingly given this assurance to the workers. As a result for the assurance, the increase in productivity has observed as revealed by the following figures for the current month:	10	2
	Average time for producing 1 piece by one worker at previous performance (this may be taken as time allowed)2 hoursNumber of working days in the month25		
	Number of working hours per day for each worker8		
	Actual production during the month1.250 units		

	Required:         1) Calculate effective rate of earnings scheme.         2) Calculate savings to Mr. A in terms schemes.         3) Advise Mr. A about the selection of SECTION	of direct labour	cost per piece under the alfil assurance.		
	-	·	·		
Q 1	A Company manufacturing two products u				
	following data relating to April, 2016 have <b>Products</b>	A (Rs.)	<b>B</b> ( <b>Rs.</b> )		
	Standard cost per unit:	A ( <b>N</b> 5.)	D (KS.)		
	Direct materials	2	4		
	Direct materials Direct wages	8	6		
	Fixed overheads	16	12		
		26	22		
	Units processed/in process	20			
	Beginning of the month: All materials applied and 50% complete in respect of labour and overheads	4,000	12,000		
	End of the month: All materials applied and 80% complete in respect of labour and overheads	8,000	12,000		
	Units completed and transferred to warehouse during the month	16,000	20,000	15	3
	<ul> <li>You may use average cost method to anal recorded during the month:</li> <li>Direct materials purchased at standard price which is Rs. 2,20,000. Direct materials used to Rs. 1,75,000.</li> <li>Direct wages for actual hours worked at stat actual wage rates were Rs. 4,12,000. Fix and actual fixed overheads incurred were R Required: <ul> <li>e) Direct material price variance at the purchase</li> <li>ii) Direct material usage variance</li> <li>iii) Direct wage rate and efficiency vari iv) Fixed overheads volume and expend v) Standard cost of WIP at the end of the state over the state over</li></ul></li></ul>				

	standards have been set up for Material				• • •	1		
	A					price per Kg	_	
	B 6		40%		Rs. 4.00		_	
			60%		Rs. 3.00			
	The standard loss in processing is 15%. During September, 2018, the company							
	produced 1,700 Kgs of finished output. The position of stock and purchases for the month of September, 2018 is as under:							
				k on Purchase during September,				
	1-9-2018		30-9-20		2018		15	2
		(Kgs.)	(Kgs.)		gs.)	Cost (Rs.)		
	Α	35	5	800		3,400		
	В	40	50	1,2	00	3,00		
	variance. Assume First valued at star		thod for the is	sue of mater	ial. The oper	ning stock is to b	e	
	I	1	SECTIO	<b>DN-D (30 M</b>	arks)			
	product that y estimated at 4 be accepted i	n full: acceptan	ne use of half o annum, the co ce of part quar	of the factory ndition of the ntity is not al	's total capa e export ord lowed.			
	product that y estimated at 4 be accepted i The factory is customers. A 4.70 per unit,	would require the lakh units per n full: acceptants currently oper s against the cu which is less t	he use of half of annum, the co ce of part quan ating at 60% he rrent price of he han the total co	of the factory ndition of the ntity is not all evel to meet Rs. 6.00 per u	's total capa e export ord lowed. the demand unit, the exp	city, which is er is that it has to of its domestic ort offer is Rs.		
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	ii) Your recommendation					
	company should decide upo					
Q2	A ltd. Operating at 75% leve					
	The cost sheets of these two					
	Units produced and sold	Units produced and sold Product X Product Y				
		3,000	2,000			
	Direct materials	10	20			
	Direct labour	20	20			
	Factory overheads (40%	25	15			
	fixed)					
	Administration and	40	25			
	selling overheads (60%					
	fixed)			15		
	Total cost per unit	95	80	15		
	Selling price per unit	115	95			
	Factory overheads are abso					
	factor. The machine hour ra					
	Japan for the purchase of Pr					
	company has another offer					
	Rs. 77.50 per unit. In both t					
	to be borne by the company					
	by utilizing the balance of 2					
	Advise the company with d					
	and prepare a statement s					
	incorporating the export pro					