In the following sub-questions, more than one answer is given, of which only one answer is correct. Select the correct answer supported by necessary explanation / working note:

- 1. Which one of the following is not a Costing Method?
 - (A) Marginal Costing

(B) Job Costing

(C) Batch Costing

(D) Contract Costing

[Sau. Uni., S.Y., Nov. 2014; Guj. Uni., S.Y., Nov. 2019] [Ans.: (A) 'Marginal Costing' is not a costing method. It is a costing technique, which can be used alongwith a suitable costing method.]

2. Which one of the following is not a costing technique?

(A) Standard Costing

(B) Direct Costing

(C) Absorption Costing

(D) Process Costing
[Sau. Uni., S.Y., Nov. 2012]

	and the second s
	[Ans. : (D) "Process Costing" is not a costing technique. It is a costing
2	method which can be used independently.] Which of the following statements is not an objective of Cost Accounting?
3.	(A) Ascertainment of cost
	(B) Determination of selling price
	(C) Determination of tax and shareholders' dividend.
	(D) Assisting Management in decision making.
	[Sau. Uni., S.Y., Nov. 2012, 2015]
	[Ans. : (C) Objective of "Cost Accounting" is not to ascertain tax burden
	and share dividend. These are considered in "Financial Accounting."]
4.	Which of the following is not an advantage of Cost Accounting System?
	(A) It helps the management by providing information useful in making
	financial decision like "Make or buy" a product, "accept or reject" etc.
	(B) It helps in identifying "Loss-making activities" or "inefficiencies" in
	any form.
	(C) It helps in fixation of selling price(D) It helps in controlling unpredictable causes of fluctuation in profit.
	(D) It helps in controlling unpredictable causes of fluctuation in profit. [Ans.: (D) As unpredictable things are not controllable the statement is
	wrong.]
5.	Which one of the following is a "Product Cost"?
	(A) Indirect Materials (B) Administrative Staff Salary
	(C) Salesman's Commission (D) Interest on Bank Loan
	[Guj. Uni., S.Y., Nov. 2013, 2017]
_	[Ans.: (A) Indirect materials is a product cost.]
6.	Which one of the following is a "Period Cost?" (A) Plant Depreciation (B) Canteen's Expenses
	(D) Direct Labour
	(C) Office Rent (D) Direct Labour [Guj. Uni., S.Y., Nov. 2014]
	[Ans.: (C) Office rent is a period cost.]
7.	In which of the following enterprises "Operating Costing" is not
	applicable?
	(A) Transport Companies (B) Hotels
	(C) Oil refineries (D) Hospitals
	[Sau. Uni., S.Y., Nov. 2012, 2013, 2014]
	[Ans.: (C) Operating Costing is applicable to service industry only and
0	"Oil refinery" is a manufacturing concern.] Where costs are ascertained after they are already incurred, the method used
8.	is termed as
	(A) Uniform Costing (B) Historical Costing
	(C) Standard Costing (D) Absorption Costing
	[Sau. Uni., S.Y., Nov. 2015]
	[Ans.: (B) Historical Costing.]

In Chemical Industry, which method is used? 9. (B) Operating Costing Process Costing (A) (C) Job Costing (D) Unit Costing [Sau. Uni., S.Y., Nov. 2015; Guj. Uni., S.Y., Nov. 2018] [Ans.: (A) Process Costing.] In Cement Industry, which method is used? 10. (A) Operating Costing (B) Process Costing (D) Contract Costing (C) Unit Costing [Guj. Uni., S.Y., Nov. 2016] [Ans.: (C) Unit costing.] Which cost accounting method is used in Pharma-medicine industry? 11. (A) Job costing (B) Unit costing (D) Contract costing (C) Batch costing [Sau. Uni., S.Y., Nov. 2011, 2013; North Guj. Uni., S.Y., Nov. 2019; Guj. Uni., S.Y., Nov. 2013, 2018, 2019] [Ans.: (C) Batch costing.] Gallon or litre is cost unit of which industry? 12. (B) Rail service (A) Cement industry Colour-chemical industry ' Paper industry (D) (C) [Sau. Uni., S.Y., Nov. 2011; North Guj. Uni., S.Y., Nov. 2019; Guj. Uni., S.Y., Nov. 2016] [Ans.: (D) Colour-chemical industry.] Cost unit of Dairy Industry is -13. Per barrel (A) Per kilo (B) (D) Per ton Per litre (C) [Sau. Uni., S.Y., Nov. 2011; North Guj. Uni., S.Y., Nov. 2019] [Ans. : (C) Per litre.] From the following, which item is relevent to Operating Costing? 14. Book publication (B) Vehicle service (A) Brick industry (C) (D) Motor garrage [Sau. Uni., S.Y., Nov. 2011; Guj. Uni., S.Y., Nov. 2018] [Ans.: (B) Vehicle service.] Telephone bill is included in which of the following expenses? 15. (B) Variable expenses (A) Fixed expenses Semi-Variable Expenses (D) None of the above [Guj. Uni., S.Y., Nov. 2017, 2018, 2019] [Ans.: (C) Semi-Variable Expenses.] Which cost unit is used for Transport Company? 16. (A) Passenger-Km. / Ton-Km. (B) Gallon / litre (D) Ton / kg. (C) Unit / No. [Ans.: (A) Passenger-Km. / Ton-Km.]

17.	The soveral undertakings of the same industry use the Same Costing
	principles and practices, they make use of — (A) Marginal Costing
	(A) Marginar Costing /
	(B) Uniform Costing (C) Historical Control
	(C) Historical Costing (D) Absoration G
	(D) Absorption Costing
18.	[Ans.: (B) Uniform Costing.]
10.	Which of the following material is called indirect material? (A) Yarn used in weaving industry.
	The state of the s
	making wooden nirninge
	raining machinery
	(D) Sugarcane used in making sugar.
	[Ans.: (C) Oil used in running machinery.]
19.	From the following objectives, which of these objectives is not applicable
	to cost account?
	(A) To verify that cost accounting records are arithmatically accurate.
	(B) To see that cost accounts are arithmatically accurate.
	(B) To see that cost accounts are prepared according to accepted principles.
	(C) To detect any errors or frauds in cost accounts.
	(D) To know the total profit of the firm.
	[Ans.: (D) To know the total profit of the firm.]
20.	What it is called when variable and fixed cost is included in Cost
	Accounts?
	(A) Absorption Costing (B) Historical Costing
	(C) Marginal Costing (D) Standard Costing
	() ***********************************
	[Ans.: (A) Absorption Costing.]
21.	In Paper Industry, following cost method is applied —
	(A) Unit Cost (B) Job Cost
	(C) Process Co.
	(D) Operating Cost
	[Sau. Uni., S.Y., Nov. 2013, 2014; Guj. Uni., S.Y., Nov. 2018] [Ans.: (A) Unit Cost.]
22.	In Cement Industry, Cost unit is —
	(A) Rarral
	(C) Joh
	(D) Tollife
	[Sau. Uni., S.Y., Nov. 2013]
	[Ans.: (D) Tonne.]

23.	Which of the following statement is (A) To Declare dividend (C) To Decide Selling Price	not objective of Cost Accouting? (B) To Decide Cost (D) To Estimate Profit [Sau. Uni., S.Y., Nov. 2013]
24.	[Ans.: (A) To Declare dividend.] Advertisement is expenses. (A) Factory indirect (C) Selling and distribution indirect [Sau. Uni., S.Y., Nov.	(B) Administrative indirect
25.	[Ans.: (C) Selling and distribution The cost unit of Cement industry – (A) Litre (C) Kilowatt	
26.	[Ans.: (D) Ton / Bag.] If Prime Cost is Rs. 25,000 and Factory what will be percentage of factory (A) 25% (C) 30%	ctory Overheads are Rs. 5,000, then overheads on prime cost? (B) 20% (D) 15% [Guj. Uni., S.Y., Nov. 2015]
27.	 [Ans.: (B) 20% (5,000 × 100/25,0) Which of the following expenses is (A) Loss on sale of assets (B) Written off preliminary expense (C) Stationery and printing (D) Bad Debts Reserve. 	included in Cost Accounts?
28.	[Ans.: (C) Stationery and Printing Which costing method is used in Se (A) Process Costing (C) Job Costing	2.1
29.	(A) Per litre / gallon / kg.(C) Per barrel	(B) Per ton / kg. (D) Per kg. / quintal [Guj. Uni., S.Y., Nov. 2019]
	[Ans.: (A) Per litre / gallon / kg.	.]

In the following sub-questions, more than one answer is given, of which only one answer is correct. Select the correct answer supported by necessary explanation/working note.

- 1. Which of the following items of cost is not considered 'direct material cost'?
 - (A) Thread used in stitching garments;
 - (B) Wood used in manufacturing furniture;
 - (C) Cotton used in Textile Mill;
 - (D) Groundnut used for groundnut oil.

[Sau. Uni., S.Y., Nov. 2012]

[Ans.: (A) Thread used in stitching garments is considered indirect material cost as it is not easily identifiable with each unit of garment manufactured.]

- 2. The formula for danger level can be presented as follows:
 - (A) Average consumption × Maximum Delivery Time for Emergency Purchase
 - (B) Ordering Level Average Consumption of average delivery period.
 - (C) Ordering Level Minimum Consumption of Minimum delivery period + Ordering Quantity.
 - (D) Maximum Consumption × Maximum Delivery Time

[Ans.: (A) Danger Level = Average consumption × Maximum Delivery Time for Emergency Purchase.]

- Goods on which some processes have been performed, and which require further processing before being transferred into finished stock godown is called –
 - (A) Semi-finished Goods
- (B) Work-in-Progress

(C) Raw Material

(D) Finished Stock

[Ans.: (A) Semi-finished Goods.]

- 4. Which of the following objectives are true for the Material Control?
 - (A) Wherever raw material is required for production, they must be readily available.
 - (B) To maintain the continuity of production.
 - (C) To minimize cost of purchasing and storage.
 - (D) All of the above.

[Ans.: (D) All of the above.]

- 5. A _____ is generally maintained to record all the details of purchase order.
 - (A) Purchase order

(B) Order Register

(C) Purchase Requisition

(D) None of these

[Ans.: (B) Order Register.]

MATERIALS ACCOUNTS-1 Which of the following sentence is wrong regarding Bin Card? 6. It shows only the quantity of the material. (B) It shows both price and the quantity of the material. (C) Every transaction is separately recorded in Bin Card. (D) It is prepared by the storekeeper. [Ans.: (B) It shows both price and the quantity of the material.] "Average consumption × Time period for emergency purchase." - with 7. the help of this calculation, which level is calculated? (A) Danger Level (B) Minimum Level (C) Ordering Level (D) Maximum Level [Ans.: (A) Danger Level.]

[Sau. Uni., S.Y., Nov. 2011; Guj. Uni., S.Y., Nov. 2015]

- If Opening stock is Rs. 10,000, Purchases Rs. 32,500 and Closing stock 8. is Rs. 5,000, what would be material turnover rate?
 - (A) 4 times

(B) 5 times

(C) 7 times

(D) 3.5 times

[Guj. Uni., S.Y., Nov. 2012]

[Ans.: (B) 5 times (Rs. 37,500 + 7,500).]

- Which of the following document is used for issuing materials to the 9. production departments?
 - (A) Purchase Requisition Note (B) Goods Received Note
 - (C) Materials Requisition Note (D) None of these

[Guj. Uni., S.Y., Nov. 2014]

[Ans.: (C) Materials Requisition Note.]

- If bi-monthly, consumption is 500 units, how many units should be taken 10. in the formula of EOQ?
 - (A) 3,000 units

(B) 6,000 units

(C) 500 units

(D) 2,000 units

[Sau. Uni., S.Y., Nov. 2014; North Guj. Uni., S.Y., Nov. 2019]

[Ans. : (A) 3,000 units $(500 \times 12/2)$.]

The following figures are taken from the records of a manufacturing 11. company:

Opening stock Rs. 20,000, Purchases Rs. 65,000 and Closing stock Rs. 15,000. What would be material turnover?

(A) 5 times

(B) 4 times

(C), 1 time

(D) 2.5 times

[Sau. Uni., S.Y., Nov. 2015]

[Ans.: (B) 4 times (Material Consumption Rs. 70,000 + Average Stock Rs. 17,500 = 4 times.

 S_{31} G. (Seme-3) Cost Accounting-1 – 8 (200)

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114 Using the following information, what would be the 'Average Level'? 12. Maximum Minimum Average 1,200 720 1,500 Daily consumption (kgs.) 10 5 15 Lead time in days Reorder Quantity 12,000 kgs. (B) 15,000 kgs. (A) 28,500 kgs. (D) 20,700 kgs. 9,750 kgs. (C) [Sau. Uni., S.Y., Nov. 2015] [Ans.: (D) 20,700 kgs. (Minimum Level 10,500 kgs. + Maximum Level 30,900 kgs + 2).If the minimum level and Average stock level of a raw material are 5,000 13. units and 11,250 units respectively. Find out the Economic Ordering Quantity. (B) 12,500 units (A) 10,500 units (D) 8,250 units 11,500 units (C) [Guj. Uni., S.Y., Nov. 2019] [Ans.: (B) 12,500 units; $EOQ = 2 \times (Average level 11,250 - Minimum)$ Level 5,000) = $2 \times 6,250 = 12,500$ units]. Opening stock Rs. 40,000, Purchases Rs. 1,30,000, Closing stock Rs. 20,000. 14. Calculate stock turnover rate. (B) 5 times (A) 4 times (D) 6 times (C) 3 times [Sau. Uni., S.Y., Nov. 2011; Guj. Uni., S.Y., Nov. 2017] [Ans.: (B) 5 times $(1,50,000 \div 30,000)$.] Which one of the following is a 'Product Cost'? 15. (A) Office Staff Salary (B) Advertising (D) Indirect Materials Interest on Loan (C) [Sau. Uni., S.Y., Nov. 2012] [Ans. : (D) Indirect Materials.] Most profitable quantity to purchase is called -16. (A) Maximum Quantity (B) Minimum Quantity (C) Economic Ordering Quantity (D) Average Quantity [Guj. Uni., S.Y., Nov. 2013, 2017, 2018; North Guj. Uni., S.Y., Nov. 2019] [Ans.: (C) Economic Ordering Quantity.] Ordering Level - Average Consumption of Average Delivery Time = 17. (B) Minimum Level (A) Maximum Level (C) Ordering Level (D) Average Level [Guj. Uni., S.Y., Nov. 2015, 2019] [Ans.: (B) Minimum Level.]

18.	Abnormal Westage at its cost price is -
10.	Abnormal Wastage at its cost price is – (A) Absorbed in cost
	(C) Added to Material Cost
	(D) Included in Factory Expenses.
	[Sau. Uni., S.Y., Nov. 2014; Guj. Uni., S.Y., Nov. 2019]
	[Ans.: (B) Charged to Profit & Loss A/c.]
19.	Which of the following methods of stock control aims at concentrating
	efforts on selected items of materials?
	(A) Materials turnover rate (B) ABC analysis
	(C) Perpetual inventory system (D) Periodic inventory system
	[Guj. Uni., S.Y., Nov. 2018]
	[Ans.: (B) ABC analysis.]
20.	Re-order period 4 to 8 weeks, Re-ordering level 20,000 units, then what
	will be the maximum consumption?
	(A) 2,000 units (B) 2,500 units
	(C) 3,000 units (D) 5,000 units
	(= / 5,555 = 11115
	[Guj. Uni., S.Y., Nov. 2019]
21.	[Ans.: (B) 2,500 units (20,000 units ÷ 8 weeks).]
21.	Material consumption 4,80,000 units, Opening stock 32,000 units, Closing
	stock 64,000 units. Then what will be the materials purchases?
	(A) 4,48,000 units (B) 5,12,000 units
	(C) 3,84,000 units (D) 6,12,000 units
	[Guj. Uni., S.Y., Nov. 2019]
	[Ans.: (B) 5,12,000 units (Material purchase = Consumption 4,80,000 +
	Closing stock $64,000 = 5,44,000 - \text{Opening stock } 32,000 = 5,12,000 \text{ units.}$

In the following sub-questions, more than one answer is given, of which only one answer is correct. Select the correct answer supported by necessary explanation/working note.

- Which one of the following statements is correct during a period of rising prices?
 - (A) The LIFO method will produce lower profits than the FIFO method and lower closing stock values.
 - (B) The LIFO method will produce lower profits than the FIFO Method and higher closing stock values.

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- (C) The FIFO method will produce lower profits than the LIFO method, and lower closing stock values.
- (D) The FIFO method will produce lower profits than the LIFO method and higher closing stock values.

[Ans.: (A) In a period of rising prices, the cost of 'issues' will be higher under LIFO in comparison to FIFO and hence will reveal lower profits, and as the closing stock consists earlier purchases of lower prices, it will result into lower stock valuation.]

- 2. Which of the following is not an advantage of using LIFO Method?
 - (A) Profits are not realistic.
 - (B) Material cost represents actual cost, which should be charged to the products or processes.
 - (C) It is useful under inflationary conditions.
 - (D) Closing stock values are more realistic.

[Ans.: (D) Closing stock values are more realistic. This statement is false because under LIFO, the closing stock consists of earlier purchases which may not reflect the prevailing market price.]

- 3. Weighted average of 150 units is Rs. 32. Out of it total cost of 60 units is Rs. 2,100, what would be per unit cost of remaining units?
 - (A') Rs. 35

(B) Rs. 30

(C) Rs. 27

(D) Rs. 29

[Guj. Uni., S.Y., Nov. 2012]

[Ans. : (B) Rs. 30 (Cost per unit of remaining units = $150 \times 32 = 4,800 - 2,100 = 2,700 / 90 = 30$).]

- 4. Weighted Average of 100 units is Rs. 280. Out of it total cost of 40 units is Rs. 10,000. What would be per unit cost of remaining units?
 - (A) Rs. 300
- (B) Rs. 250
- (C) Rs. 280 (D) Rs. 480

[Guj. Uni., S.Y., Nov. 2013]

[Ans.: (A) Rs. 300.]

5. In which system higher price goods are first issued?

(A) FIFO method

(B) LIFO method

(C) HIFO method

(D) Weighted Average method [Guj. Uni., S.Y., Nov. 2016]

[Ans.: (C) HIFO method.]

- 6. In which method goods remain in the stock of last purchase?
 - (A) LIFO method

(B) FIFO method

(C) Weighted Average Method (D) Fixed Price Method [Guj. Uni., S.Y., Nov. 2014, 2018; North Guj. Uni., S.Y., Nov. 2019]

[Ans.: (B) FIFO method.]

- In which method stock consists of first purchase?
 - LIFO Method (A)

- FIFO Method
- Weighted Average Method (D) Standard Price Method. [Guj. Uni., S.Y., Nov. 2015, 2018; North Guj. Uni., S.Y., Nov. 2019] [Ans.: (A) LIFO Method.]
- 8. In which method stock is valued at a price which is almost nearer to current market price ?
 - FIFO Method (A)

- (B) LIFO Method
- Weighted Average Method (D) Fixed Price Method.

[Sau. Uni., S.Y., Nov. 2015; Guj. Uni., S.Y., Nov. 2013, 2017, 2018, 2019]

[Ans.: (A) FIFO Method.]

In the following sub-questions more than one answer is given, of which only one answer is correct. Select the correct answer supported by necessary explanation/working note.

- 1. Which of the following statements is not correct?
 - (A) Normal idle time is unavoidable and cannot be eliminated fully.
 - (B) Controllable abnormal idle time can be eliminated through proper management action.
 - (C) Cost of normal idle time is to be debited to Costing P & L A/c.
 - (D) Normal idle time is inherent in work situation and can be estimated in advance.

[Ans.: (C) This statement is false. As the cost of normal idle time is unavoidable, it is to be treated as a part of the labour cost and accordingly the labour rate is to be inflated.]

- 2. Which of the following statements is correct?
 - (A) Wages paid to factory truck driver is considered "direct wages."
 - (B) Out-workers are those who are appointed on temporary basis.
 - (C) If overtime is paid to complete the job within a specific time limit at the request of customer, it should be debited to the job concerned.
 - (D) The canteen expenses are debited to Costing P & L A/c.

[Ans.: (C) The statements is correct, as overtime wages are paid at customer's request, he must bear the extra cost.

- 3. Which of the following causes is not a genuine cause for "overtime work"?
 - (A) Increase in production targets not anticipated.
 - (B) Customer's request / pressure for urgent delivery.
 - (C) Temporary Diversion of labour force to the inauguration ceremony arrangements of a new plant.
 - (D) Labour shortage.

[Guj. Uni., S.Y., Nov. 2019]

[Ans.: (C) Use of labour for some unplanned and unproductive work is not a genuine cause of "Overtime Work."

Out of the following which wage system is included in group incentive w system?					
	(A)	Time Rate System	(B)	Halsey Plan	
	(C)	Profit Sharing	(D)	Piece Rate System	
	. 7.	, , , , , , , , , , , , , , , , , , , ,	(D)	[Sau. Uni., S.Y., Nov. 2011]	
	Ans	s.: (C) Profit Sharing.		[Buil. 67, B.11, 776 11 2003]	
5.			wage syste	m is not treated as an Individual	
	incer	ntive wage system?	go by bto	m is not treated as an arrest	
	(A)	Bedeaux plan			
	(B)	Taylor's different piece	rate plan		
	(C)	Merrick's multiple rate			
	(D)	Co-partnership			
	,	•	., Nov. 201	1, 2013; Guj. Uni., S.Y. Nov. 2013]	
	[An:	s.: (D) Co-partnership.]			
6.	In a	department, standard tin	ne allowed	for a job is 50 hours. Actual time	
	take	n to complete the job is 4	10 hours an	d wage rate is Rs. 30 per hour. The	:
	amo	unt of bonus under Halse	y Premium	Plan is —	
	(A)	Rs. 300	(B)	Rs. 450	
	(Ç)	Rs. 150	(D)	Rs. 1,200	
	\ .			[Sau. Uni., S.Y., Nov. 2012]	1
	-	is.: (C) Rs. 150 (50/100	_	•	
7.		ich one of the following nover' ?	measures	is not going to reduce the 'Labour	٢
	(A)	Use of scientific metho	od of selecti	on	
	(B)	Provision of satisfactor	ry working	condition	
	(C)	Complete ban on labor	ır unions		
	(D)	Providing Gratuity and	l Provident	Fund benefits	
				[Sau. Uni., S.Y., Nov. 2012, 2014]]
	[An	is.: (C) Complete ban la	bour union	s.]	
8.				istead of 10 hours. Labour rate pe	r
	hou	r is Rs. 15. What she wil	l earn as pe	r Rowan Plan ?	
	(A)	Rs. 150		(B) Rs. 120	
	(C)	/	((D) Rs. 135	
				[Sau. Uni., S.Y., Nov. 2012]
	[Ar	as.: (C) Rs. 144 (8 \times 15) + (120 × 2	2/10) = 120 + 24 = 144.	

Standard time is 9 hours, Actual time taken is 6 hours and wage rate is Rs. 2 9. per hour. For a job material cost is Rs. 30 Wages are paid as per Rowan wage plan Factory expenses allocated 100% of wages.

What would be the factory cost of the job?

Rs. 55 (A)

(B) Rs. 62

Rs. 75 (C)

(D) None of these

[Guj. Uni., S.Y., Nov. 2012]

(Ans.: (B) Rs. 62 (Time wages = $6 \times 2 = 12$, Bonus = $12 \times 3/9 = 4$, Total Wages = 12 + 4 = 16. Factory Cost = Material 30 + Wages 16 + Overheads 16 = 62).1

- Which of the following statements is true? 10.
 - Per unit variable cost will vary with the volume of production.
 - Normal idle time is unavoidable and cannot be completely eliminated. (B)
 - The LIFO method will produce 'lower' profit and 'high' valuation of (C)closing stock when price are rising.
 - All direct and indirect expenses are include in factory (production) cost. (D)

[Guj. Uni., S.Y., Nov. 2012]

[Ans.: (B) Normal idle time is unavoidable and cannot be completely eliminated.]

- If management is efficient, labour turnover rate can -11.
 - (A) Increase

(B) Can make zero

(C) No effect

(D) Can reduce

[Sau. Uni., S.Y., Nov. 2013, 2014]

[Ans.: (D) Can reduce.].

- Standard time fixed for a job is 12 hours. A worker is paid Rs. 25 per hour. 12. The actual time taken to complete the job is 10 hours. Total wages payable to worker according to piece wage system will be -
 - (A) Rs. 120

(B)_Rs. 300

(C) Rs. 250

(D) Rs. 50

[Guj. Uni., S.Y., Nov. 2014]

[Ans.: (B) Rs. 300 (12 hours \times Rs. 25).]

- Accounting treatment for Abnormal idle time is -
 - It is considered as a direct charge and added to the cost (A)
 - It is charged to Costing Profit & Loss A/c (B)
 - It is distributed to all the departments (C)
 - None of the above (D)

[Sau. Uni., S.Y., Nov. 2014]

[Ans.: (B) It is charged to Costing Profit & Loss A/c.]

14.	A worker is allowed 8 hours to complete a job on time wages. He completes the job in 6 hours on piece wages. His time wage is Rs. 4 per hour. Material cost of a product is Rs. 30 and factory overheads are recovered at 150% of the total direct wages. Find out the factory cost of the product under Rowan Plan.				
	(A) Rs. 105	(B) Rs. 120			
	(C) Rs. 100	(D) Rs. 150			
	1	[Sau. Uni., S.Y., Nov. 2015]			
	[Ans.: (A) Rs. 105 (Direct wages Rs. 30, Factory Cost = $30 + 30 + 45$	as per Rowan Plan = $24 + (24 \times 2/8) = 6 = \text{Rs. } 105$).			
15.	•	wed for a job is 50 hours. Actual time			
	•	rs and wage rate is Rs. 50 per hour. The			
	amount of bonus under the Halsey				
	(A) Rs. 200	(B) Rs. 250			
	(C) Rs. 300	(D) Rs. 800			
		[Sau. Uni., S.Y., Nov. 2015]			
	[Ans.: (B) Rs. 250 (Bonus = Time $100 = \text{Rs.} 250$).]	Saved 10 hours \times Rs. $50 = \text{Rs. } 500 \times 50/$			
16.		working in the beginning of a year and			
10.	•	nd of the year. 850 workers were relieved			
	_	•			
		were newly recruited, out of which 175			
		wly created posts. Find out the Labour			
	Turnover rate as per Joint Method.				
	(A) 10%	(B) 15%			
	(C) 35%	(D) 15.5%			
		[Sau. Uni., S.Y., Nov. 2015]			
	[Ans.: (C) 35% (850 + 725 / 4,50	$0 \times 100 = 35\%$).]			
17.	. A worker is allowed 70 hours for a	job. Actual time taken is 50 hours. Rate			
	per hour is Rs. 10. Wage as per Ha	lsey plan is -			
	(A) Rs. 700	(B) Rs. 500			
	(C) Rs. 200	(D) Rs. 600			
	(0) 110. 200	[Guj. Uni., S.Y., Nov. 2016]			
	[A== .(D) D= 600 [50 × 10 = D=				
	1.	$1.500 + \text{Rs}$. $100 (20 \times 10 = 200 \times 50\%)$.			
18.	•	5,000 and D.A. is Rs. 3,000 per month. byee State Insurance (ESI) is 2% of basic			
	salary plus D.A. Total monthly wa	ges are –			
	(A) Rs. 8,000	(B) Rs. 5,100			
	(C) Rs. 5,160	(D) Rs. 8,160			
	(0) 10.0,100	[Guj. Uni., S.Y., Nov. 2016]			
	(A (D) D = 0.160 (5.000 ± 2.0	$00 = 8,000 + 160 (8,000 \times 2\%) = 8,160).$			
	[Ans.: (D) Ks. 8,100 (3,000 + 3,0	00 0,000 1 100 (0,000 × 270) - 8,100).]			

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ЫK	ECI I	_ABUUN		
19.			er hour) +	(Time saved × 50% rate per hour)".
	Out	of the following in which	system the	amount of wages is calculated?
	(A)	Halsey plan	(B)	Rowan plan
	(C)	Piece Rate system	(D)	
		[Sau: Uni	, S.Y., Nov	v. 2011; Guj. Uni., S.Y., Nov. 2017]
		s.: (A) Halsey plan.]		
20.		ch wage system is proper to the man?	where spec	ed of the work depends on machine
	(A)	Piece wages system	(B)	Halsey wages system
	(C)	Rowan wages system	(D)	Time wages system
			[Guj.	Uni., S.Y., Nov. 2014, 2015, 2017]
	[Ans	s.: (D) Time wages system		
21.	Rece	ess time to worker during	the day is	_
	(A)	Normal unproductive tim	e	
	(B)	Abnormal unproductive t	ime	
	(C)	Not considered as unprod	luctive	
	(D)	None of the above.		
	6	[Sau. Uni., S.Y.,	Nov. 2013	, 2014; Guj. Uni., S.Y., Nov. 2018]
	-	.: (A) Normal unproduct	_	
22.	Whic	th of the following items is	not taken	into consideration while calculating
	labou	er turnover rate as per Flu		?
	(A)	No. of employees retired		
	(B)	No. of employees dismis	sed	
	(C)	No. of employees appoir	ited on exi	isting posts
	(D)	No. of employees appoir		
		[Sau. Uni.	, S.Y., Nov	. 2012; Guj. Uni., S.Y., Nov. 2018]
	[Ans.	: (D) No. of employees	appointed	under expansion plan.]

Rowan wage plan (A)

(B) Time wage plan

(C) Halsey wage plan (D) Bonus wage plan

[Sau. Uni., S.Y., Nov. 2014; Guj. Uni., S.Y., Nov. 2012, 2018; North Guj. Uni., S.Y., Nov. 2019]

[Ans.: (B) Time wage plan.]

24.	Bonus as per Halsey method is cal	culated at —
	(A) 20% of time wages	(B) 33% of time saved
	(C) 50% of time saved	(D) None of these.
	[Sau. Uni., S.Y., Nov	v. 2013, 2014; Guj. Uni., S.Y., Nov. 2018;
	- -	North Guj. Uni., S.Y., Nov. 2019]
	[Ans.: (C) 50% of time saved.]	Statem'?
25.	Which one of the following is not	considered as 'Incentive Wage System'?
	(A) Halsey plan	•
,	(B) Rowan plan	· · · · · · · · · · · · · · · · · · ·
	(C) Group bonus or Profit sharin	g plan
	(D) Piece wages system with mi	nimum guaranteed wages
	[Sau. Uni., S.	Y., Nov. 2015; Guj. Uni., S.Y., Nov. 2019]
	[Ans (D) Piece wages system w	ith minimum guaranteed wages.
26.	Dhruvin completes a work in 8 h	ours instead of 10 hours. Labour 1257
	hour is Rs. 5. What he will earn as	s per Rowan Plan:
	(A) Rs. 48	(B) Rs. 40
	(C) Rs. 50	(D) Rs. 45
	· [Guj. Uni., S.	Y., Nov. 2015; Guj. Uni., S.Y., Nov. 2019]
	$(A) D_{\alpha} AQ (Q \times 5) + (40) \times$	() = 40 + 8 - 12.40.1
27.	From which of the following ince	10 / ntive wage system, worker also gets share
	in the profit and management?	
	(A) Profit Sharing	(B) Halsey Plan
	(C) Co-Partnership	(D) Rowan Plan
		[Guj. Uni., S.Y., Nov. 2018, 2019]
	[Ans.: (C) Co-Partnership.]	n digi e mani
0.0	The following information has been	en obtained from the production department
28.	of a factory:	
	No. of workers at the beginning	of the year 3,400
	No. 01 Workers at the segument	ar 600
	No. of workers left during the year	r 1,000
	Total appointment during and	200
	No. of workers newly recruited Calculate Labour Turnover Rate	by Replacement Method.
		(B) 23%
	(A) 21.22%	(D) 23.22%
	(C) 22.22%	[Guj. Uni., S.Y., Nov. 2019]
		[04]. 011, 2.2, 2.0
	ſ	

DIRECT LABOUR

[Ans.: (C) 22.22% (No. of workers at the end of the year 3,800 (3,400 + 1,000 - 600); Average No. of workers 3,600 (3,400 + 3,800 = 7,200 \div 2); Labour turnover rate 22.22% (800 × 100 / 3,600).]

- 29. The standard time for a particular job is 10 hours. Actual time taken is 8 hours. Wage rate per hour Rs. 50. Direct material cost Rs. 200 and factory overheads are recovered at 80% of direct wages. Calculate Factory Cost according to Halsey Plan.
 - (A) Rs. 1,110

(B) 1,030

(C) Rs. 1,010

(D) 2,010

[Guj. Uni., S.Y., Nov. 2019]

[Ans.: (C) Rs. 1,010 [Wages Rs. 450 (8 hours \times Rs. 50) + (2 \times 50 \times ½) = 400 + 50 = Rs. 450); Factory cost = Material Rs. 200 + Wages Rs. 450 + Factory Overheads Rs. 360 (80% of wages Rs. 450) = Rs. 1,010].

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(C) Multiple Choice Questions

In the following sub-questions more than one answer is given, of which only one answer is correct. Select the correct answer supported by necessary explanation/working note.

- 1. Which of the following statements is not correct?
 - (A) The total cost of indirect materials, indirect labour and indirect expenses is called "Overheads."
 - (B) On the basis of behaviour, the overheads are classified into production overheads, administrative overheads and marketing overheads.
 - (C) Examples of indirect labour are salary and wages of foremen, supervisor, watchman, store-keeper, salesman etc.
 - (D) Examples of production overheads are factory rent, power, plant depreciation, supervisor's remuneration etc.
 - [Ans. (B) On the basis of behaviour, the overheads are classified into fixed and variable overheads.]
- 2. Which of the following statements is correct?
 - (A) Research and Development overhead is a part of Marketing Overheads.
 - (B) Controllable costs are those which can be controlled by the management with proper care and efficient planning.
 - (C) Semi variable overheads vary in direct proportion with change in activity level.
 - (D) Though overheads are indirect costs, they are also identifiable with each unit produced.
 - [Ans.: (B) Failure to control these costs would indicate inefficient management.]
- 3. Which of the following statements is not correct?
 - (A) Direct wages of service departments are not to be included in the "Primary Distribution Process" since they are not considered overheads.
 - (B) Repeated distribution method is one of the methods of dealing with "Reciprocal Services" between the service departments.
 - (C) "Trial and Error Method" is another variant of Reciprocal services method.
 - (D) Under "Direct Method", we ignore the services provided by the service departments to each other.
 - [Ans.: (A) All direct costs of service departments are overheads from the viewpoint of production departments and hence they are to be included in "Primary Distribution Process".]
- 4. Which one of the following methods is not a method of absorption of overheads?
 - (A) Percentage of Direct Materials Method.
 - (B) Percentage of Direct Wages Method.
 - (C) Percentage of Prime Cost Method.

(D)	Fercentage of Total Cost Method. [Sau. Uni., S.Y., Nov. 2014]
[Ans.	: (D) Percentage of Total Cost Method is incorrect because
The c	absorption of overheads, total cost cannot be ascertamed; anteen expenses incurred by a factory is apportioned in the ratio of:
(A)	Direct wages
-	Equally over all production departments
(C)	The number of employees in each department
[Ans.	None of the above. : (C) The canteen expenses are apportioned in the ratio of no. of employees in each department because the workers and other employees avail the benefit of such expenses.]
Mach	
(A)	Apportion service departments expenses to production department.
(B)	Apportion factory overheads.
(D)	Apportion the depreciation on machines to production departured
[Ans.	: (B) It is method of allocating factory overheads.]
In Jav	: (B) It is method of allocating factory overheads. Co. Ltd. the machine shop has a machine. The Power expense amounted The power expenses of the Machine. The
to Rs.	Co. Ltd. the machine shop has a machine. The Fower expenses of the Machine. The 52,000 which is 25% of total yearly expenses of the Machine. The
mach	ine consumes 16 units of power per nour design and the second of the sec
unit.	What would be the machine flour rate:
(A) R	s. 41.60 (B) Rs. 13.70 (C) Rs. 27.90 (D) Rs. 26
[Ans.	s. 41.60 (B) Rs. 13.70 (C) Rs. 27.50 (8,000 (52,000 × (A) Machine hour rate Rs. 41.60, Total exp. Rs. 2,08,000 (52,000 × (65) 5.000 hours (80,000 ÷ 16 units),
100 /	(25) , 80.000 units $(32,000 \div 0.03)$, 3,000 notice (-)
	\cdot 1 \cdot
Powe	r expenses including surcharge Rs. 66,000, Consumption per hour 10
units,	Rate of Power per unit Rs. 5 and surcharge 10%. What would be the
	ine hours? (B) 6 600 (C) 1,200 (D) 4,800
(A) 6	
[Ans.	: (C) Machine hours 1,200 (Power expenses per hour Rs. 50 (10 units
V Dc	$5) + 10\%$ surcharge Rs. $5 = \text{Rs. } 55$, $\therefore 66,000 \div 35 = 1,200$ flours.
The fo	ollowing information have been received from the production department
of a fa	actory:
Estim	nated factory overheads for the year Rs. 1,17,360
Estim	ated direct labour cost for the year Rs. 1,95,600
Estim	ated machine hours 97,800
Find o	out overhead absorption rate using Direct labour cost percentage method.
(A) R	s. 1.20 (B) 60% (C) Re. 0.50 (D) 40%
(Ab) ^	.: (B) 60% (1,17,360 × 100 / 1,95,600).]
Lyms	• • • • • • • • • • • • • • • • • • • •

5.

6.

7.

8.

- 10. Tools Department expenses incurred by a factory is apportioned in the ratio of:
 - (A) Direct wages
 - (B) Equally over all production departments
 - (C) In proportion to number of workers or number of tools issued.
 - (D) None of the above

[Ans.: (C) Tools department expenses are apportioned to number of workers or number of tools issued.]

- 11. When every service department is useful to other service department, then apportionment of indirect cost can not be done by the method of
 - (A) Direct redistribution method (B) Step-ladder method
 - (C) Repeated distribution method (D) Simultaneous Equation method [Ans.: (A) Direct redistribution method.]
- 12. If a machine costs Rs. 84,000, its scrap value is Rs. 18,000 and its useful life is 6 years then what will be the depreciation?
 - (A) Rs. 12,000

(B) Rs. 14,000

(C) Rs. 16,000

(D) Rs. 10,000

[Guj. Uni., S.Y., Nov. 2017]

[Ans.: (A) Rs. 12,000.]

- 13. Which of the following method is not the method of Reciprocal Method in the Accounts of Overheads?
 - (A) Repeated Distribution Method
- (C) Step-ladder Method
- (B) Simultaneous Equation Method
- (D) Trial and Error Method

[Ans.: (C) Step-ladder method.]

- 14. The simultaneous equation method is a method for -
 - (A) Apportionment of factory overheads.
 - (B) Apportioning service department expenses over production departments.
 - (C) Apportioning administrating expense to production
 - (D) Determining pre-determined recovery rate for overheads.

[Guj. Uni., S.Y., April, 2010, 2013]

[Ans.: (B) The simultaneous equation method is a method of apportioning service department expenses to production departments.]

15. The following information is given for a factory of the overheads costs and machine hours:

Machine Hours	35,000	40,000	20,000	30,000
Overheads costs (Rs.)	72,500	80,000	50,000	65,000

The fixed cost element included in the above data -

(A) Rs. 20,000

(B) Rs. 30,000

(C) Rs. 25,000

(D) Rs. 22,500

[Guj. Uni., S.Y., March, 2011]

[Ans.: (A) Rs. 20,000 (Overheads 80,000-50,000=30,000, Machine hours 40,000-20,000=20,000, \therefore Variable cost per machine hour Rs. 1.50

(Rs. 30,000 + 20,000 hours), Fixed Cost Rs. 20,000 (Total cost 80,000 - Variable cost 60,000 ($40,000 \times 1.50$).]

- 16. Basis of overheads apportionment for the Employee state insurance and dearness allowance is -
 - (A) Ratio of No. of workers
 - (B) As per labour hours
 - (C) In proportion of direct labour of each dept.
 - (D) According to labour turn over

[Sau. Uni., S.Y., Nov. 2011]

[Ans.: (C) In proportion of direct labour of each dept.]

17. Basis of overheads apportionment for Plant repairing is -

(A) Space occupied

(B) Value of plant

(C) Plant hours

(D) Depreciation on plant

[Sau. Uni., S.Y., Nov. 2011, 2013]

[Ans.: (B) Value of plant.]

- 18. Out of the following which is included as service department for manufacuring of oil engine industry?
 - (A) Foundry dept.

(B) Casting dept.

(C) Moulding dept.

(D) Stores dept.

[Sau. Uni., S.Y., Nov. 2011; Guj. Uni., S.Y., Nov. 2013]

[Ans.: (D) Stores dept.]

- 19. Basis of apportionment for Indirect labour is -
 - (A) Direct labour ratio

(B) No. of workers ratio

(C) Labour hour ratio

(D) As per machine hour rate

[Sau. Uni., S.Y., Nov. 2011, 2013]

[Ans.: (A) Direct labour ratio.]

20. Find out total indirect expense of Department A after all apportionment :

.]	Departments				
Particulars	A Production	B Production	C Production	D Service	E Service
Total expenses	60,000	30,000	10,000	10,000	9,000
% allocation of expenses of D	20%	30%	40%		10%
Department % allocation of expenses of E Department	30%	40%	30%		_

(A) Rs. 63,100 (B) Rs. 64,400 (C) Rs. 65,000

[Guj. Uni., S.Y., April; 2012]

[Ans.: (C) Rs. 65,000 (60,000 + 2,000 + 3,000).]

AC		TS OF OVERHEADS			
21.	25 days in a month for daily 8 hours. What shall be the direct labour hour rate ?				
	-	Rs. 10		45	
	(C)	Rs. 50	(D)	rs. 00	Y., Nov. 2012]
	E Average	(1) n 10 m 50 000 1			
	[An	us.: (A) Rs. 10 (Rs. 60,000 ÷ 6	,000 n	ours (25 × 8 × 50).]	20% of direct
22.	Fac	tory expenses actually paid Rs.	10,000). Rate of recovery is	3 30 70 OI GILOOL
		our. Direct labour is Rs. 25,000			2 500
		Over absorption Rs. 2,500			
	(C)	Actual absorption Rs. 10,000) (D)	None of the above	V N 20127
				[Sau. Uni., S.	Y., Nov. 2012]
		s.: (B) Under absorption Rs	. 2,500) (Rs. 10,000 Actua	$a_1 - Rs. 7,300$
		overed).]			
23.		nting House expenses are cons			
		Distribution expense	(B)	Selling overheads	•
	(C)	Administrative overheads	(D)		
				[Sau. Uni., S.	Y., Nov. 2012]
		s.: (C) Administrative overhea			
24.		ch of the following expenses i	_		
		Depreciation of plant	(B)		
	(C)	Direct wages	(D)		v v 20127
		in		[Guj. Uni., S.	Y., Nov. 2012]
		s.: (B) Office rent.]	•		the makin of
25.		canteen expense incurred by a	factor	y is apportioned in	the ratio of –
	•	Direct wages ·		•	
		The number of employees in	each o	lepartment	
	(C)	Equally			
	(D),	None of the above			201.47
		[Guj. Uni., S.Y., Nov.			Y., Nov. 2014]
	[Ans	.: (B) The number of employ	ees in	each department.	
26.	The	overhead cost and machine ho			
					achine hours
		(fixe	ed and	l variable)	
		1st month	Rs. 2	5,000	1,000
		2nd month	Rs. 3	0,000	1,500
	What	would be the fixed cost?			
	(A)	Rs. 10,000	(B) Rs. 15,000	
	(C)	Rs. 27,500	(D) Rs. 12,500	
	(-)			[Guj. Uni., S	Y., Nov. 2012]

[Ans.: (B) Rs. 15,000 (Variable Exps. = 5,000 / 500 = 10, Total fixed Exps. = 25,000 - Variable Exps. 1,000 × 10 = 10,000 = Fixed Exps. 15,000.]

27.	If a machine cost Rs. 83,000, its scrap value is Rs. 6,000. Installation charges
	the res. 5,000, and its useful life is 10 years, than what will be the depression
	(A) RS. 8,000 (B) Rs. 7,700
	(C) Rs. 7,400 (D) Rs. 9,200 [Guj. Uni., S.Y., Nov. 2013]
	[Guj. Uni., S. I., Ito
28.	[Ans.: (A) Rs. 8,000.] The following information is given for a factory of the overheads costs and
	Machine hours 7,000 9,000 4,000 6,000
Ī	Overheads Costs (Rs.) 72,500 80,000 50,000 65,000
	The fixed cost element included in the above data:
	(A) Rs. 20,000 (B) Rs. 30,000
	1 700
	(C) Rs. 35,000 (D) Rs. 17,500 [Guj. Uni., S.Y., Nov. 2013]
	[A = . (A) D= 20 000 1
29.	Which of the following expenses is not relevant to factory expenses
• •	(A) Power bill (B) Computer Expenses
	Distance Wages
	(C) Plant Insurance (D) Direct Wages [Sau. Uni., S.Y., Nov. 2013]
30.	Which expenses is not variable expense for calculation of Machine
<i>J</i> 0.	(A) Machine Depreciation (D) Machine 1
	(D) Lactory Figure 1
	(C) Machine Repairing (D) Factory Electrics [Sau. Uni., S.Y., Nov. 2013]
	(Anc. (D) Factory Electricity.
21	E-manage of workers welfare department are allocated on -
31.	(A) Direct Wages (B) Number of Workers
	(A) Direct wages (D) None of these
	(C) Working Hours [Sau. Uni., S.Y., Nov. 2013]
	[Ans.: (B) Number of Workers.]
	[Ans.: (B) Number of Workers.] The following information is given for a factory of the overheads and machine
32.	
	hours: Machine Hours Overheads (Rs.)
	Machine Hours
	20,000
	25,000
	15,000
	What will be the fixed cost included in the above?
	(A) Rs. 50,000 (B) Rs. 40,000
	(C) Rs 80.000 (D) None of the above
	[Guj. Uni., S.Y., Nov. 2014]
	[Ans.: (A) Rs. 50,000.]
	[With the contract of the cont

ACCOUNTS OF OVERHEADS When the factory overheads charged to cost is less than the actual factory 33. expenses debited in financial accounts it is called -k Over-recovery of overheads Under-recovery of overheads (B) Transferred to Costing P & L A/c as an abnormal difference [Guj. Uni., S.Y., Nov. 2014] (C) (D) None of the above [Ans.: (B) Under-recovery of overheads.] Power expenses (including 12% surcharge) is Rs. 6,720. Power consumption 34. per hour is 10 units and rate per unit is Re. 0.10. Compute machine hours. 8,360 hours (B) 6,720 hours 3,000 hours (D) 6,000 hours (C) [Ans.: (C) 6,000 hours (Rs. $6,720 \times 100 / 112 = Rs. 6,000$, : Machine hours = $6,000 \div \text{Re. 1 per hour} = 6,000 \text{ hours}$.] Which method is also a repeated distribution method? 35. Graphic Presentation Method (B) Average Method Indirect Method Trial and Error Method (D) (C) [Sau. Uni., S.Y., Nov. 2014] [Ans.: (C) Trial and Error Method.] If a separate meter is not allocated, then electricity cost will be apportioned 36. according to -Area occupied Horse power (B) (A) Direct material (D) Direct cost (C) [Guj. Uni., S.Y., Nov. 2018] [Ans.: (B) Area occupied.] The following information is given for one factory of the overhead costs and 37. Machine hours. Machine Hours Overhead Costs Rs. 21,600 75,600 33,600 93,600 25,200 81,000 31,200 90,000 What would be the fixed cost element included in the above data? (A) Rs. 3,600 (B) Rs. 18,000 (C) Rs. 25,200 (D) Rs. 43,200 [Guj. Uni., S.Y., March, 2010; Nov. 2013]

[Ans: (D) Variable overheads (per machine hour) = (93,600 - 75,600) / (33,600 - 21,600) = Rs. 1.50 and fixed overheads = Rs. 93,600 - Rs. 1.50 × 33,600 = Rs. 43,200]

38. Which method is used for Segregation of Semi-Variable Overheads?

(A) Simultaneous Equation Method (B) High and Low Points Method

(C) Trial and Error Method

(D) Indirect Method

[Guj. Uni., S.Y., Nov. 2019]

[Ans.: (A) High and Low Points Method.]

