

# বাংলাদেশ ইউনিভার্সিটি অব প্রফেশনালস্



সেকশন/গ্রুপ.....Section-B.....

ইনভিজিলেটরের স্বাক্ষর

মোট পৃষ্ঠা সংখ্যা.....০৭.....টি

BSc. in CSE-17 Final Exam (Spring) Feb-21 পরীক্ষা(Examination), 20 21

বিষয় (Subj): Financial and Managerial Accounting পত্র/কোর্স নং (Paper/Course No): HUM-415

পত্র/কোর্সের নাম (Paper/Course Name): CSE-17 কেন্দ্র (Center): MIST

রেজিঃ নম্বর (Regn No): 131401170018 শিক্ষাবর্ষ (Session): 2019-2020

রোল নম্বর (Roll No): 201714018 তারিখ (Date): 17-02-2021

## INSTRUCTIONS FOR EXAMINEE

1. Examinees are forbidden to write their names either on outer cover page or anywhere of the answer scripts. In case of violation, the answer script will not be evaluated.

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2. Examinees must mention their roll and registration number along with session on the outer cover page of the answer scripts clearly. Otherwise, answer scripts may not be evaluated.

3. Students will write his examination roll number on the top left corner and section-A/B on the top right corner of each page. All pages must be numbered chronologically at the bottom center in x of y format. (for example: 1 of 21)

4. In no case, an examinee will be allowed to start the examination half an hour after the commencement of examination.

5. The Camera of the examinee MUST always be ON during the examination and answer script submission. If Camera is OFF then that online examination will be treated as CANCELLED.

6. The focus of the camera should be such that the invigilator(s) can see the script and examinee with his/her surroundings.

7. Students are to share their entire screen of desktop/laptop to the invigilator throughout the online examination. .

8. Browsing any files other than the given question paper (PDF) and/or online sites other than the respective allowed examination platform (e,g Zoom, Google classroom etc.) is strictly prohibited.

9. Online invigilators reserve the right to take remote access of the examinee's desktop/laptop and investigate as needed at any point during the examination or even after the examination

10. Students without laptop/desktop cannot appear exam online by using mobile phone. Students not possessing laptop/desktop, will have to appear examination Physically at MIST.

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নিরীক্ষকের স্বাক্ষর

Continued.....

## INSTRUCTIONS FOR EXAMINEE

11. Examinees must abide by the instructions of chief invigilator if there are no definite instructions on any subject/matter.
12. No examinee will be allowed to leave the examination session until an hour has elapsed from the commencement of examination.
13. Legal action will be taken against the examinees those are trying to adopt/adopting unfair means/exhibiting unbecoming conduct in the examination hall and found guilty for any breach of discipline as per rule.
14. Invigilators will have complete authority of deducting marks from any student attempting unfair means.
15. All rough works should be done in the same paper used as answer scripts. Answer scripts should be submitted intact. Papers used for rough work should be pen through by the examinees and submitted along with the answer script.
16. The answer scripts submitted beyond specified time will be treated as CANCELLED.
17. The examinee will send his/her scanned examination script in PDF format to the following e-mail addresses:
  - (a) e-mail address of subject invigilator/examiner.
  - (b) Central Database Scheme (coursecode@mist.ac.bd)  
Example: EECE433@mist.ac.bd
18. The examinee has to preserve the original answer script of every examination and be ready to submit whenever asked for.
19. Answer script should be the A4 size papers with a cover page provided by Department. Examinee has to fill up his/her necessary details on the cover page. Section A and section B must be clearly marked on the cover page like. Section A or Section B
20. Examination duration for each subject will be two hours (section-A for one hour + section B for One hour). In between students will get 15 minutes time to submit the answer script of section A and 5 minutes time to issue the question for section B . After completion of 01 hour examination time for section B, students will get 15 minutes to submit the answer script of section B.
21. After completion of written examination (online/physical), viva will be conducted by the respective faculty of that subject.

Section-BAns. to the ques. no. - 05(a)Direct material cost:

Direct materials cost is the cost of raw materials and component parts that becomes the integral part of the finished products. and this direct material cost can be traced directly and conveniently to the unit of finished product.

P.T.O.



Ans. to the ques. no. - 05(b)

(i) Ans:

Alpha Company  
Job Cost Sheet

For all the Jobs in November, 2020

	<u>Tk</u>
Direct materials cost -	36,000
Direct labor cost -	30,000
Prime cost -	<u>66,000</u>
Manufacturing overhead -	24,000
Manufacturing Cost -	<u>90,000</u>
Administrative overhead -	22,500
Cost of production -	<u>112,500</u>
Selling and distribution overhead -	18,000
Cost of Sales -	<u>130,500</u>
Profit -	39,150
Sales -	<u><u>169,650</u></u>

P.T.O.

(ii) Ans:

Base-rate calculation for November:

$$(i) \text{ Manufacturing Overhead} = \frac{\text{Manufacturing O/H}}{\text{Direct Labor}} \times 100$$

$$= \frac{24,000}{30,000} \times 100$$

$$= 80\% \text{ of direct labor}$$

$$(ii) \text{ Administrative Overhead} = \frac{\text{Administrative O/H}}{\text{Manufacturing Cost}} \times 100$$

$$= \frac{22,500}{90,000} \times 100$$

$$= 25\% \text{ of manufacturing cost}$$

(iii) Selling and distribution

$$\text{overhead} = \frac{\text{Selling and dist. O/H}}{\text{Manufacturing Cost}} \times 100$$

$$= \frac{18,000}{90,000} \times 100$$

$$= 20\% \text{ of manufacturing cost.}$$

$$(iv) \text{ Profit} = \frac{\text{Profit}}{\text{Cost of Sales}} \times 100$$

$$= \frac{39,150}{130,500} \times 100$$

$$= 30\% \text{ of Cost of Sales.}$$

Alpha Company  
Estimated Job Cost Sheet  
For the job in December, 2020

	Tk
Direct materials - _____	18,00
Direct labor - _____	15,00
Prime cost - _____	33,00
Manufacturing Overhead (80% of Tk 1500) - - - - -	1200
Manufacturing Cost - - - - -	4500
Administrative Overhead (25% of Tk 4500) - - - - -	1125
Cost of Production - - - - -	5625
Selling and distribution Overhead (20% of Tk 4500) - - - - -	900
Cost of Sales - - - - -	6525
Profit (30% of Tk 6525) - - - - -	1957.5
Sales - _____	<u><u>8482.5</u></u>

So, rounding of taka (since no Paisa) so, estimated sales price is 8483 Tk for the December for the estimated job.

Ans. to the ques. no.-06(a)

Cost Accounting:

Cost Accounting involves Measuring, Recording and Reporting Product costs.

Cost Accounting involves the Accounts which are fully integrated into the general ledger. Cost Accounting can be of two types: (a) Job Order Cost System  
(b) Process Cost System.

Ans. to the ques. no. - 06(b)(i) Ans:

## Beta Company

## Cost of Goods Manufactured Schedule

For the year ended December 31, 2020

	<u>Tk</u>	<u>Tk</u>
Direct materials cost		
Raw materials used in <del>pro</del> production		1,85,000
Direct labor cost		1,00,000
Manufacturing overhead		
maintenance cost ---	20,000	
Depreciation cost ---	80,000	
Indirect materials cost ---	15,000	
Total manufacturing overhead ---	1,15,000	1,15,000
Total manufacturing cost -		4,00,000
Add: Work in process inventory, Jan 1 -		5,000
Total Cost of Goods in Process -		4,05,000
Less: Work in process inventory, Dec 31 -		(6,000)
Cost of Goods Manufactured		<u><u>3,99,000</u></u>



(ii) Ans:

Beta Company

Income Statement

For the year ended December 31, 2020

	<u>TK</u>	<u>TK</u>
Sales		12,00,000
(-) <del>Goods</del> Cost of Goods Sold:		
Finished goods inventory		
Jan 1	12,000	
(+) Cost of Goods		
manufactured	3,99,000	
(-) Finished Goods inventory,		
Dec 31	(10,000)	
Cost of Goods Sold	4,01,000	(4,01,000)
Gross margin		7,99,000
(-) Operating expenses:		
Administrative expenses		(3,00,000)
Net Income		<u>4,99,000</u>