Examination October 2020

B.A. F.Y. (Sem-I)

1290 Home Science - I (Family Resource Management)

Time: One Hour Max. Marks: 50

instructions

required

solve any 25 questions from Q.1 to Q.30

solve any 25 questions from Q.31 to Q.6	solve any	25 questions	s from Q.3	1 to Q.60
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solve any 25 questions from Q.31 to	o Q.60		
1 The production cost per unit can be re	duced by		
•	(B)Producing more with the same inputs	(C)Eliminating idle time	(D)Minimizing resource waste
2 At the break-even point,			
(A)Total cost is more than the sales revenue	(B)Total cost is less than the sales revenue	e(C)Total cost is equal to sales revenue	(D)Fixed cost is equal to variable cost
3 Performance rating is equal to			
(A)Observed performance + normal	(B)Observed performance - normal	(C)Observed performance × normal	(D)None of the mentioned
performance	performance	performance	
4 Which of the following layouts is suit	ed for mass production?		
(A)Process layout	(B)Product layout	(C)Fixed position layout	(D)Plant layout
5 Basic tool in work study is			
(A)Graph paper	(B)Process chart	(C)Planning chart	(D)Stop watch
6 Work sampling is applied for			
(A)Estimation of the percentage utilization of machine tools	on (B)Estimating the percentage of the time consumed by various job activities	(C)Finding out time standards, specially where the job is not repetitive and where time study by stop watch method is not possible	(D)All of the mentioned
7 One of the basic essentials of an incen	ative plan is that		
(A)A differential piece rate system should exist	d (B)Minimum wages should be guaranteed	(C)Provide incentive to group efficiency performance	(D)All standards should be based on time studies
8 Inventory control in production, plann	ing and control aims at		
(A)Achieving optimization	(B)Ensuring against market fluctuations	(C)Acceptable customer service at low capital investment in inventory	(D)Discounts allowed in bulk purchase
9 The allowed time for a job equals stan	dard time plus		
(A)Policy allowance	(B)Interference allowance	(C)Process allowance	(D)Learning allowance
10 Value engineering aims at finding out	the		
(A)Depreciation value of a product	(B)Resale value of a product	(C)Major function of the item and accomplishing the same at least cost without change in quality	(D)Break-even point when machine requires change
11 Gantt charts are used for			
(A)Forecasting sales	(B)Production schedule	(C)Scheduling and routing	(D)Linear programming
12 Work study is concerned with			
(A)Improving present method and finding standard time	g (B)Motivation of workers	(C)Improving production capability	(D)Improving production planning and control
13 Which of the following layouts is suit	ed to job production?		
(A)Process layout	(B)Product layout	(C)Fixed position layout	(D)Plant layout
14 The product layout			
(A)Lowers overall manufacturing time	(B)Requires less space for placing machines	(C)Utilizes machine and labour better	(D)All of these
15 Father of time study was			
(A)F.W. Taylor	(B)H.L. Gantt	(C)F.B. Gilbert	(D)R.M. Barnes
16 Work study comprises following main	n techniques		
(A)Method study and work measurement	(B)Method study and time study	(C)Time study and work measurement	(D)Method study and job evaluation
17 P.M.T.S. (Predetermined Motion Tim	e Systems) include		
(A)M.T.M. (Method Time Measurement)	(B)W.F.S. (Work Factor Systems)	(C)B.M.T.S. (Basic Motion Time Study)	(D)All of these
18 Which of the following organization i	•		
(A)Functional organization	(B)Line organization	(C)Staff organization	(D)Line and staff organizations
19 Process layout is employed			
(A) Where low volume of production is	(B)Where similar jobs are manufactured	(C)Where machines are arranged on	(D)All of the mentioned

functional basis

on similar machines

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20 The type of organization preferred for a steel industry, is			
(A)Line organization21 In which of the following layouts, the	(B)Functional organization	(C)Line and staff organization	(D)Line, staff and functional organization
(A)Process layout	(B)Product layout	(C)Fixed position layout	(D)Plant layout
22 The salient feature of functional organisation is			
(A)Strict adherence to specification	(B)Separation of planning and design part	(C)Each individual maintains functional efficiency	(D)All of the mentioned
23 What does symbol 'O' imply in work	study?		
(A)Operation	(B)Inspection	(C)Transport	(D)Delay/temporary storage
24 What does symbol 'I' imply in work s	tudy?		
(A)Operation	(B)Inspection	(C)Transport	(D)Delay/temporary storage
25 Micro motion study is		(0)	
(A) Analysis of a man-work method by using a motion picture camera with a timing device in the field of view26 Military organization is known as	(B)Motion study observed on enhanced time intervals	(C)Motion study of a sequence of operations conducted systematically	(D)Study of man and machine conducted simultaneously
20 Military organization is known as			
(A)Line organization 27 In a functional organisation	(B)Line and staff organization	(C)Functional organist	(D)All of the mentioned
(A)Quality of work is better (B)Wastage of material is minimum (C)Specialized knowledge and guidance to(D)All of the mentioned individual worker is provided		o(D)All of the mentioned	
28 PMTP (predetermined motion time sy	ystems) include	^	
(A)MTM (method time measurement) 29 Standard time is defined as	(B)WFS (work factor systems)	(C)BNTS (basic motion time study)	(D)All of the mentioned
(A)Normal time + allowances	(B)Normal time + idle time + allowances	(C)Normal time + idle time	(D)Only normal time for an operation
30 The type of layout used for manufacti	, ,	(O) tormar time i rate time	(D)omy normal time for an operation
(A)Product layout	(B)Process layout	(C)Fixed position layout	(D)Any one of these
31 Motion study involves analysis of			
(A)Actions of operator 32 The average time recorded by work s	(B)Layout of work place	(C)Tooling and equipment	(D)All of the mentioned
(A)Standard time	(B)Normal time	(C)Representative time	(D)None of these
33 Indirect expenses include	(=)	(-)	(/
(A)Factory expenses	(B)Selling expenses	(C)Administrative expenses	(D)All of these
34 Time study is carried out to determine	e the time required to complete job by		
(A)A slow worker	(B)A fast worker	(C)An average worker	(D)An apprentice
35 The technique for establishing and ma	aintaining priorities among the various jobs	of any project is known as	
(A)Event flow scheduling technique	(B)Critical ratio scheduling	(C)Slotting technique for scheduling	(D)Short interval scheduling
36 In time study, the rating factor is appl	lied to determine		
(A)Standard time of a job	(B)Merit rating of the worker	(C)Fixation of incentive rate	(D)Normal time of a worker
37 What does symbol 'D' imply in work	•		
(A)Inspection	(B)Transport	(C)Delay/temporary storage	(D)Permanent storage
38 The purpose of micro-motion study is		(O)T 1 : 11 (: d	(D) 4 H Cd 1
way of doing work	the motion economy principles	for synthetic time standards	a (D)All of the mentioned
39 What does symbol 'V' employ in work	(B)Inspection	(C)Delay/ temporary Storage	(D)Permanent storage
(A)Operation 40 Routing prescribes the	(B)Inspection	(C)Delay/ temporary Storage	(D)Permanent storage
(A)Flow of material in the plant	(B)Proper utilization of man power	(C)Proper utilization of machines	(D)Inspection of final product
41 The main objective of work measurer	* * *	(O) Toper delization of machines	(D) inspection of that product
(A)Plan and schedule of production	(B)Formulate a proper incentive scheme	(C)Estimate the selling prices and deliver	v(D)All of the mentioned
, ,		dates	, ,
42 Micro-motion study is			
(A)Enlarged view of motion study	(B)Analysis of one stage of motion study	(C)Minute and detailed motion study	(D)Subdivision of an operation into therbligs and their analysis
43 Time study is carried out			
(A)By finding all the significant informations regarding the job, work place and machine tool etc	(B)By breaking up each operation into small elements which are measurable with the help of the measuring device accurately	(C)By observing and recording the time taken by the operator for an operation	(D)All of the mentioned
44 The most suitable incentive plan for t	he maintenance section of an industry will b	e	

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(A)Piece rate system	(B)Group incentive plan	(C)Profit sharing plans	(D)Simplification		
45 Micro-motion study involves following number of fundamental hand motions8					
(A)8	(B)12	(C)16	(D)20		
46 Frederick W. Taylor introduced a system of working known as					
(A)Line organization	(B)Line and staff organization	(C)Functional organization	(D)Effective organization		
47 According to Muther, the basic princip	ple of best layout is				
(A)Principle of overall integration	(B)Principle of flow	(C)Principle of flexibility	(D)All of these		
48 Work study is mainly aimed at					
(A)Determining the most efficient method of performing a job	d (B)Establishing the minimum time of completion of a job	(C)Developing the standard method and standard time of a job	(D)Economizing the motions involved on the part of the worker while performing a job		
49 Standard time as compared to normal	time is				
(A)Greater	(B)Smaller	(C)Equal	(D)There is no such correlation		
50 The technique of value analysis can be	e applied to				
(A)Complicated items only	(B)Simple items only	(C)Crash programmer items only	(D)Any item.		
51 String diagram is used when					
(A)Team of workers is working at a place	e (B)Material handling is to be done	(C)Idle time is to be reduced	(D)All of the mentioned		
52 Works cost implies					
(A)Primary cost	(B)Factory cost	(C)Factory expenses	(D)Primary cost + factory expenses		
53 The chart which gives an estimate about the amount of materials handling between various work stations is known as					
(A)Flow chart	(B)Process chart	(C)Travel chart	(D)Operation chart		
54 Direct expenses include					
(A)Factory expenses	(B)Selling expenses	(C)Administrative expenses	(D)None of these		
55 Work study is most useful					
(A)Where production activities are involved	(B)In judging the rating of machines	(C)In improving industrial relations	(D)In judging the output of a man and improving it		
56 Percent idle time for men or machines is found by					
(A)Work sampling	(B)Time study	(C)Method study	(D)Work study		
57 Which of the following charts are used	d for plant layout design?				
(A)Operation process chart	(B)Man machine chart	(C)Travel chart	(D)All of these		
58 The determination of standard time in	a complex job system is best done through				
(A)Stop watch time study	(B)Analysis of micro-motions	(C)Grouping timing technique	(D)Analysis of standard data system		
59 Job evaluation is the method of determ	nining the				
(A)Relative worth of jobs	(B)Skills required by a worker	(C)Contribution of a worker	(D)Contribution of a job		
60 Merit rating is the method of determin	ing the				
(A)Relative values of a job	(B)Workers performance on a job	(C)Worth of a machine	(D)Value of overall production		