Time Allowed : **45** minutes Maximum Marks : **200** 

# Subject : BUSINESS STUDIES Code : 305 E Medium : English

Number of questions to be answered : 40



(Do not open this Test Booklet until you are asked to do so)

Total Questions : 50

	Kindly read the Instructions given on this Page and Back Page carefully before attempting this Question Paper.									
I	mportant Instructions for the Candidates :									
1	. This Test Booklet contains <b>50</b> questions printed in English. Out of these, the candidate is required to answer any <b>40</b> questions. If a candidate answers more than 40 questions, the first 40 answered questions will be considered for evaluation.									
2	. When you are given the OMR Answer Sheet, fill in your particulars on it carefully with <b>blue/black</b> ball point pen only.									
3	. Use only Blue/Black Ball Point Pen for marking responses.									
4	. The CODE for this Test Booklet is <b>A</b> . Make sure that the CODE printed on the OMR Answer Sheet is the same as that on this Test Booklet. Also ensure that your Test Booklet No, and OMR Answer Sheet No, are exactly the same. In case									

of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the OMR Answer Sheet. No claim in this regard will be entertained after five minutes from the start of the examination.

5. Before attempting the question paper kindly check that this Test Booklet has total **16** pages and OMR Answer Sheet consists of one sheet. At the start of the examination within first five minutes, candidates are advised to ensure that all pages of Test Booklet and OMR Answer Sheet are properly printed and they are not damaged in any manner.

- 6. Each question has four answer options. Out of these four options choose the **MOST APPROPRIATE OPTION** and darken/blacken the corresponding circle on the OMR Answer Sheet with a Blue/Black Ball Point Pen.
- 7. Five (5) marks will be given for each correct answer. One (1) mark will be deducted for each incorrect answer. If more than one circle is found darkened/blackened for a question, then it will be considered as an incorrect answer. Unanswered questions will be given no mark.
  P.T.O.

Name of the Candidate (in Capital Letters) :	
Application Number (in figures) :	
Roll Number (in figures) :	
Centre of Examination (in Capital Letters):	
, <u> </u>	
Candidate's Signature : Invig	zilator's Signature :
Faccinile simulation stores of Contra Superintendent.	
Facsimile signature stamp of Centre Superintendent :	

(2)

- 1. Identify the Principle of Management where Taylor pioneered the introduction of method of scientific inquiry into the domain of management practice.
  - (1) Science, not rule of thumb
  - (2) Harmony not discord
  - (3) Cooperation, not individualism
  - (4) Development of each and every person to the greatest efficiency and prosperity
- 2. Match List-I with List-II on the basis of Management Principles :

	List-I		List-II
(A)	Obedience to organisational rules	(I)	Unity of direction
(B)	One boss for every individual employee	(II)	Remuneration of employees
(C)	One head and one plan	(III)	Discipline
(D)	Remuneration should be just and equitable	(IV)	Unity of command

Choose the correct answer from the options given below :

- (1) (A) (I), (B) (II), (C) (III), (D) (IV)
- (2) (A) (I), (B) (III), (C) (II), (D) (IV)
- (3) (A) (I), (B) (II), (C) (IV), (D) (III)
- (4) (A) (III), (B) (IV), (C) (I), (D) (II)
- **3.** The aim of which technique given by F.W. Taylor is to reduce a given line or a product to fixed types, sizes and characteristics ?
  - (1) Method study
  - (2) Time study
  - (3) Standardisation of work
  - (4) Functional foremanship

# 4. Match List-I with List-II on the basis of Management Principles :

	List-I (Meaning)		List-II (Term)
(A)	Employees turnover should be minimised	(I)	Stability of personnel
(B)	Emphasises kindliness and justice	(II)	Equity
(C)	Chain of authority and communication from top to bottom	(III)	Espirit de corps
(D)	Promotes team spirit	(IV)	Scalar chain

Choose the correct answer from the options given below :

- (1) (A) (I), (B) (II), (C) (III), (D) (IV)
- (2) (A) (I), (B) (III), (C) (II), (D) (IV)
- (3) (A) (I), (B) (II), (C) (IV), (D) (III)
- (4) (A) (III), (B) (IV), (C) (I), (D) (II)

5. Under which dimension of business environment is "Online Booking of Air Tickets" included ?

- (1) Legal dimension (2) Economic dimension
- (3) Technical dimension (4) Social dimension

6. Which of the following is an example of economic environment ?

- (1) Money supply in economy (2) Constitution of the country
- (3) Life expectancy (4) Population shifts

7. Which of the following is an example of legal environment ?

- (1) Death/Birth Ratio (2) Trade Union Act
- (3) Prevailing Political System (4) Public Debt
- 8. Which of the following does *not* characterise business environment?
  - (1) Inter-related (2) External forces
  - (3) Market orientation and product (4) Relativity

- 9. Identify the correct sequence of steps under the Planning function :
  - (A) Setting objectives
  - (B) Identifying alternative courses of action
  - (C) Developing premises
  - (D) Evaluating alternative courses of action

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D)
- (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C)
- (4) (C), (B), (D), (A)
- **10.** Identify the correct sequence of Selection process :
  - (A) Selection decision
  - (B) Employment interview
  - (C) Selection tests
  - (D) Reference checking

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D)
- (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C)
- (4) (C), (B), (D), (A)
- "It is a joint programme of training in which educational institutions and business firms cooperate." Identify the method of training.
  - (1) Vestibule training
  - (2) Apprenticeship training
  - (3) Internship training
  - (4) Job rotation

(5)

12. Match List-I with List-II on the basis of meaning and name of the concept :

	List-I		List-II
(A)	Choosing the most appropriate candidate	(I)	Selection
(B)	Candidate is given an introduction to superiors	(II)	Orientation
(C)	Learning the skills related to a job	(III)	Recruitment
(D)	Searching for prospective employees	(IV)	Training

Choose the correct answer from the options given below :

- (1) (A) (I), (B) (II), (C) (III), (D) (IV)
- (2) (A) (I), (B) (III), (C) (II), (D) (IV)
- (3) (A) (I), (B) (II), (C) (IV), (D) (III)
- (4) (A) (III), (B) (IV), (C) (I), (D) (II)
- **13.** Which of the following is a process of incitement or inducing subordinates to act in a desired manner to achieve organisational goals ?
  - (1) Motivation (2) Supervision
  - (3) Leadership

(4) Communication

- 14. Find the correct sequence of needs as given by Maslow in his Need Hierarchy Theory.
  - (A) Belongingness needs
  - (B) Safety and Security needs
  - (C) Self-actualisation needs
  - (D) Esteem needs

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D) (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C) (4) (C), (B), (D), (A)

**15.** "\_\_\_\_\_\_\_ is a process of influencing the behaviour of people by making them strive voluntarily towards achievement of organisational goals."

- (1) Motivation (2) Supervision
- (3) Leadership (4) Communication

(6)

- **16.** Which of the following is *not* a limitation of Controlling ?
  - (1) Costly affair
  - (3) Ensure order and discipline

- (2) Resistance from employees
- (4) Little control on external factors
- 17. Identify the correct sequence of Controlling process :
  - (A) Analysing deviations
  - (B) Measurement of actual performance
  - (C) Setting up standards
  - (D) Comparison of actual performance with standards

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D) (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C) (4) (C), (B), (D), (A)

18. "Only a 5% increase in labour cost may be more troublesome than a 15% increase in postal charges." Identify the concept pointed out in the statement.

- (1) Deviation (2) Critical point control
- (3) Break-even analysis (4) Critical path method

**19.** Identify the function performed by Financial Market from the following statement :

"Holders of assets can readily sell their financial assets through the mechanism of the financial market."

- (1) Reduce the cost of transactions
- (2) Provide liquidity to financial assets
- (3) Facilitate price discovery
- (4) Mobilisation of savings and channelising them into the most productive uses
- **20.** If any of the parties are not satisfied by the order of \_\_\_\_\_\_, they can appeal against such order to the State Commission on the grounds of facts or law within a period of forty-five days from the date of order.
  - (1) District Commission (2) State Commission
  - (3) National Commission (4) Local Court
- 21. Identify the importance of consumer protection discussed in the following lines "Business organisations make money by selling goods and providing services to consumers. Thus, consumers form an important group among the many stakeholders of business and like other stakeholders, their interest has to be well taken care of."
  - (1) Moral justification (2)
    - (2) Business uses society's resources
    - (3) Social responsibility (4) Long-term interest of business

(7)

22. Identify the Consumer Right – "The consumer has the freedom to access variety of products at competitive prices. This implies that the marketers should offer a wide variety of products in terms of quality, brand, prices, size, etc."

- (1) Right to Safety (2) Right to Seek Redressal
- (3) Right to be Assured (4) Right to Consumer Education

**23.** Identify the method of floatation in Primary Market wherein a company sells securities enbloc at an agreed price to a broker.

- (1) Rights issue (2) Offer for sale
- (3) e-IPOs (4) Offer through Prospectus
- 24. Match List-I with List-II on the basis of meaning and the term :

	List-I (Meaning)		List-II (Term)
(A)	Right to command	(I)	Answerability
(B)	Obligation to perform task	(II)	Delegation
(C)	Accountability	(III)	Authority
(D)	Basis of management hierarchy	(IV)	Responsibility

Choose the correct answer from the options given below :

(1) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)

- (2) (A) (I), (B) (III), (C) (II), (D) (IV)
- (3) (A) (I), (B) (II), (C) (IV), (D) (III)
- (4) (A) (III), (B) (IV), (C) (I), (D) (II)
- 25. Identify the correct sequence of Organising function of management.
  - (A) Establishing authority and reporting relationships
  - (B) Departmentalisation
  - (C) Identification and division of work
  - (D) Assignment of duties

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D) (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C) (4) (C), (B), (D), (A)

- 26. The formal organisation can be better understood by a study of its features which are as follows :
  - (A) It specifies the relationships among various job positions and the nature of their inter-relationship. This clarifies who has to report to whom.
  - (B) It is a means to achieve the objectives specified in the plans, as it lays down rules and procedures essential for their achievement.
  - (C) Independent channels of communication without specified direction of flow of information are developed by group members.
  - (D) It is deliberately designed by the top management to facilitate the smooth functioning of the organisation.

Which of the following options are correct?

- (1) (A), (B) and (D) only (2) (A), (B) and (C) only
- (3) (A), (B), (C) and (D) (4) (B), (C) and (D) only

27. The informal organisation offers many benefits. Important among them are given below :

- (A) Prescribed lines of communication are not followed. Thus, informal organisation leads to faster spread of information as well as quick feedback.
- (B) It helps to fulfil the social needs of the members and allows them to find like minded people. This enhances their job satisfaction since it gives them a sense of belongingness in the organisation.
- (C) It contributes towards fulfilment of organisational objectives by compensating for inadequacies in the formal organisation.
- (D) Unity of command is maintained through an established chain of command.

Choose the correct answer from the options given below :

- (1) (A), (B) and (D) only (2) (A), (B) and (C) only
- (3) (A), (B), (C) and (D) (4) (B), (C) and (D) only
- **28.** Identify the correct sequence of trading & settlement procedure :
  - (A) The investor has to sign a broker client agreement.
  - (B) The investor has to open a 'Demat' Account.
  - (C) An order confirmation slip is issued to the investor by the broker.
  - (D) The broker will then go online and connect to the main stock exchange.

Choose the correct answer from the options given below :

- (1) (A), (B), (C), (D) (2) (A), (C), (B), (D)
- (3) (B), (A), (D), (C) (4) (C), (B), (D), (A)

305 E/A		)										
29.	The	market where existing securities are bought an	d sol	d is known as								
	(1)	Primary market	(2)	Secondary market								
	(3)	Capital market	(4)	Financial market								
30.	Qua	lities of sucessful entrepreneur do <i>not</i> include :										
	(1)	Initiative	(2)	Self-confidence								
	(3)	Risk avoider	(4)	Wealth creators								
31.	Identify the function performed by SEBI :											
	"It c	"It controls insider trading, takeover bids and imposes penalties for such practices."										
	(1)	Protective functions	(2)	Regulatory functions								
	(3)	Developmental functions	(4)	Preventive functions								
32.	Financial management aims at choosing the best investment and financing alternatives by focusing on their costs and benefits. Its objective is to :											
	(1)	Increase the shareholders' wealth	(2)	Decrease the shareholders' wealth								
	(3)	Increase the shareholders' capital	(4)	Decrease the shareholders' capital								
33.	A p	roper matching of funds requirements and their	avail	ability is sought to be achieved by								
	(1)	Financial planning	(2)	Financial control								
	(3)	Capital budgeting	(4)	Investment decisions								
34.		t is but is more		for a business because the payment of interest and								
		return of principal is obligatory for the business										
		Cheaper, risky	(2)	Cheaper, safe								
	(3)	Expensive, risky	(4)	Expensive, safe								
35.	"Co	"Coordination unifies unrelated interests into purposeful work activity." Identify the nature of coordination.										
	(1)	Coordination is an all pervasive function	(2)	Coordination is a continuous process								
	(3)	Coordination ensures unity of action	(4)	Coordination integrates group efforts								
36.	Akash Industries has installed a waste recycling plant in its premises and does not dump their waste material anymore. This plant is providing employment to many people. Identify the objective of management which the company is achieving by doing the aforesaid activity.											
	(1)	Social objective	(2)	Economic objective								
	(3)	Personal objective	(4)	Growth								

SPACE FOR ROUGH WORK

### (10)

**37.** "Management always works by keeping an end result or aim of the organisation. All activities of managers are directed towards the end result." From the above statement, identify the feature of management.

- (1) Management is multidimensional (2) Management is continuous
- (3) Management is intangible (4) Management is a goal oriented process

**38.** The key position of top-level management is \_\_\_\_\_

- (1) Managing Director
- (3) Marketing Manager

- (2) Production Manager
- (4) Plant Supervisor

## **39.** Match List-I with List-II.

	List-I		List-II
(A)	Intelligence test	(I)	Indicator of a person's capacity to develop
(B)	Aptitude test	(II)	Clues to a person's emotions, values, etc.
(C)	Personality test	(III)	Measure existing skills of the individual
(D)	Trade test	(IV)	Indicator of a person's learning ability and ability to make judgements

Choose the correct answer from the options given below :

(1) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)

(2) (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

- (3) (A) (II), (B) (III), (C) (I), (D) (IV)
- (4) (A) (I), (B) (III), (C) (IV), (D) (II)
- **40.** Which of the following are advantages of functional structure of an organisation ?
  - (A) Leads to occupational specialisation.
  - (B) Places less emphasis on organisational objectives.
  - (C) Promotes coordination and control within a department.
  - (D) Increases operational efficiency.

Choose the correct answer from the options given below :

- (1) (A), (B) and (C) only (2) (A) and (B) only
- (3) (A), (C) and (D) only (4) (C) and (D) only

(11)

#### On the basis of the information given in the case, answer the next five questions.

"Just Foodie" is a food chain offering different snacks like chips, biscuits, chocochip cookies, cakes, etc. through their own retail outlets. To make their products available to customers at right time, right place, they are also selling their products to grocery stores in addition to their own outlets. The taste, quality and packing are given utmost care. They are offering good quality, so they are able to charge higher price than their competitors. To increase their sales, they are using different offers like : Free gifts, Cash backs, etc. They are offering discounts to customers on various occasions. All these considerations have made "Just Foodie" a complete success and they are able to win over different competitors in the market, and their market share is rising continuously.

**41.** In the above case "Just Foodie" is using various variables of Marketing Mix. Identify the variable used in the following statement :

"To make their products available to customers at right time, right place, they are also selling their products to grocery stores in addition to their own outlets."

- (1) Product (2) Price
- (3) Promotion (4) Physical distribution

**42.** Identify the element of marketing mix in the following statement :

"The taste, quality and packing are given utmost care."

- (1) Product mix (2) Price mix
- (3) Promotion mix (4) Physical distribution mix

**43.** "They are able to charge higher price than their competitors." Which element of marketing mix is discussed in the statement ?

- (1) Product mix (2) Price mix
- (3) Promotion mix (4) Physical distribution mix

**44.** "To increase their sales, they are using different offers like : Free gifts, Cash backs etc. They are offering discounts to customers on various occasions." Identify the marketing mix element from the above statement.

- (1) Product mix (2) Price mix
- (3) Promotion mix (4) Physical distribution mix

**45.** "To increase their sales, they are using different offers like : Free gifts, Cash backs etc. They are offering discounts to customers on various occasions." Which tool of the promotion mix is used in the given statement ?

- (1) Advertisement (2) Sales promotion
- (3) Personal selling (4) Publicity

#### (12)

#### On the basis of the information given in the case, answer the next five questions.

#### A Maharatna Company, Indian Oil

Indian Oil is India's largest commercial organisation. It is the top ranked Indian company in the Fortune 'Global 500' listings (2017). Indian Oil's vision is driven by a group of dynamic leaders, who have made it a name to reckon with. With an over 34,000 strong workforce, a Maharatna Company, Indian Oil has been helping to meet India's energy demands and reaching petroleum products in every part of India for over five decades.

- It plans to increase its business operations all around the world.
- The company plans to invest ₹ 20,000 crore in 2017 18 acquisitions and plans to expand overseas. The company is always believed to be ahead of the demand. Last year too, IOC had invested close to ₹ 20,000 crore, including around ₹ 16,000 crore in various Indian projects and on acquisition for upstream in Russia.
- The company believed that if the goals are well defined, employees are aware of what the organisation has to do and what they must do to achieve those goals.
- Changes or events cannot be eliminated, but they can be anticipated and managerial responses to them can be developed. Policy formation serves as the basis of coordinating the activities and efforts of different divisions, departments and individuals.
- It helps in avoiding confusion and misunderstanding. Manager can look into the future and make a choice from amongst various alternative courses of action.
- **46.** Identify the function of management highlighted in the above case.
  - (1) Organising
  - (2) Staffing
  - (3) Directing
  - (4) Planning

- **47.** "If the goals are well defined, employees are aware of what the organisation has to do and what they must do to achieve those goals." Identify the significance of managerial function highlighted in this statement.
  - (1) Facilitates decision making
  - (2) Reduces overlapping and wasteful activities
  - (3) Reduces risks of uncertainty
  - (4) Provides direction
- **48.** "Changes or events cannot be eliminated, but they can be anticipated and managerial responses to them can be developed." Identify the significance of managerial function highlighted in this statement.
  - (1) Provides direction
  - (2) Reduces risks of uncertainty
  - (3) Reduces overlapping and wasteful activities
  - (4) Facilitates decision making
- **49.** "Policy formation serves as the basis of coordinating the activities and efforts of different divisions, departments and individuals. It helps in avoiding confusion and misunderstanding." Identify the significance of managerial function highlighted in this statement.
  - (1) Facilitates decision making
  - (2) Reduces risks of uncertainty
  - (3) Provides direction
  - (4) Reduces overlapping and wasteful activities
- **50.** "Manager can look into the future and make a choice from amongst various alternative courses of action." Identify the significance of managerial function highlighted in this statement.
  - (1) Provides direction
  - (2) Reduces risks of uncertainty
  - (3) Reduces overlapping and wasteful activities
  - (4) Facilitates decision making

## (14)

## (15)

# ${\it Read\ carefully\ the\ following\ instructions:}$

- 8. No candidate will be allowed to leave the OMR Answer Sheet blank. If any OMR Answer Sheet is found blank, it shall be crossed by the Invigilator with his/her signature, mentioning "Cancelled" on it.
- 9. Do not tear or fold any page of the Test Booklet and OMR Answer Sheet.
- 10. Candidates are advised to ensure that they fill the correct particulars on the OMR Answer Sheet, i.e., Application No., Roll No., Test Booklet No., Name, Mother's Name, Father's Name and Signature.
- 11. Rough work is to be done in the space provided for this purpose in the Test Booklet only.
- 12. The answers will be evaluated through electronic scanning process. Incomplete or incorrect entries may render the OMR Answer Sheet invalid.
- 13. Candidates are advised not to fold or make any stray marks on the OMR Answer Sheet. Use of Eraser, Nail, Blade, White Fluid/Whitener, etc., to smudge, scratch or damage in any manner the OMR Answer Sheet during examination is strictly prohibited. Candidature and OMR Answer Sheet of candidates using Eraser, Nail, Blade or White Fluid/Whitener to smudge, scratch or damage in any manner shall be cancelled.
- 14. There will be one copy of OMR Answer Sheet i.e., the Original Copy. After the examination is over, the candidate shall hand over the OMR Answer Sheet to the Invigilator. The candidate can take away the Test Booklet after the examination is over. If the candidate does not hand over the OMR Answer Sheet to the Invigilator and goes away with the OMR Answer Sheet, his/her candidature shall be cancelled and criminal proceedings shall also be initiated against him/her.
- 15. Candidates are advised strictly not to carry handkerchief, any mobile phone, any type of watch, belt or wear ornaments like ring, chain, ear-ring, etc., electronic or communication device, pen, pencil, eraser, sharpener and correction fluid to the Examination Centre. If any candidate is found possessing any such item, he/she will not be allowed to enter the examination centre. Possession of a mobile phone or any other aiding material as mentioned above by the candidate in the examination room will be treated as a serious violation and it may lead to cancellation of the candidature and debarring him/her from future examinations.
- 16. If a candidate violates any instructions or shows any indiscipline or misbehaviour, appropriate action will be taken including cancellation of candidature and debarring from future examinations.
- 17. Use of electronic/manual calculator is **not** allowed.

## NATIONAL TESTING AGENCY CUET (UG) 2024 : Final Answer Keys

Exam Date : 17.05.2024

Subject :305 - Business Studies (English)

											-					_
	Key	Q.No	-	Q.No		Q.No		Q.No		Q.No			Key	Q.No	-	
Book	: A	Book :	A	Book	: В	Book :	В	Book	: C	Book :	С	Book	: D	Book :	D	
1	1	46	4	1	4	46	4	1	3	46	2	1	2	46	1	
2	4	47	4	2	3	47	2	2	3	47	3	2	3	47	1	
3	3	48	2	3	2	48	2	3	3	48	2	3	4	48	1	
4	3	49	4	4	4	49	1	4	1	49	4	4	1	49	4	
5	Drop	50	4	5	1	50	3	5	3	50	3	5	4	50	1	
6	1			6	2			6	4			6	1			
7	2			7	1			7	2			7	2			
8	3			8	2			8	2			8	3			
9	2			9	3			9	1			9	2			
10	4			10	1,2			10	3			10	4			
11	3			11	1			11	3			11	4			
12	3			12	1			12	2			12	2			
13	1			13	1			13	4			13	4			
14	3			14	4			14	4			14	4			
15	3			15	1			15	1			15	1			
16	3			16	4			16	2			16	4			
17	4			17	1			17	1			17	3			
18	2			18	2			18	2			18	3			
19	2			19	3			19	3			19	Drop			
20	1			20	4			20	1,2			20	1			
21	3			21	1			21	1			21	2			
22	3			22	2			22	1			22	3			
23	2			23	3			23	1			23	2			
24	4			24	2			24	4			24	4			
25	4			25	4			25	1			25	3			
26	1			26	4			26	4			26	3			
27	2			27	2			27	1			27	1			
28	1			28	4			28	2			28	3			
29	2			29	4			29	3			29	3			
30	3			30	1			30	4			30	3			
31	1,2			31	4			31	1			31	4			
32	1			32	3			32	2			32	2			
33	1			33	3			33	3			33	2			
34	1			34	Drop			34	2			34	1			
35	4			35	1			35	4			35	3			
36	1			36	2			36	4			36	3			
37	4			37	3			37	2			37	2			
38	1			38	2			38	4			38	4			
39	2			39	4			39	4			39	4			
40	3			40	3			40	1			40	1			
41	4			41	3			41	4			41	2			
42	1			42	1			42	3			42	1			
43	2			43	3			43	3			43	2			
44	3			44	3			44	Drop			44	3			
45	2			45	3			45	1			45	1,2			
													P	Coll	egeduni	a form
													, .	, gaine and		