

Anekant Education Society's  
Tuljaram Chaturchand College, Baramati  
Department of Food Technology and Research  
B.Voc. Food Processing and Post-Harvest Technology  
Semester Examination  
**Semester III Paper FP -7 Processing of fruits, vegetables and plantation crops**

Marks: 50

**Instructions to candidate:** 1. All questions are compulsory.  
2. Draw neat labelled diagrams wherever necessary.

**Q. 1. Write/ define/ fill in the blanks of the following**

13M

- a) The Botanical name of Cocoa is \_\_\_\_\_
- b) \_\_\_\_\_ is considered to be the "king of spices"
- c) The TSS of Jam Marmalade is \_\_\_\_\_
- d) The roasted, dehulled bean are called \_\_\_\_\_
- e) The first product to be sharp frozen was \_\_\_\_\_
- f) \_\_\_\_\_ found in chocolate, was found to treat coughs better than codeine
- g) \_\_\_\_\_ known as the father of canning.
- h) Define Canning.
- i) What is Food processing?
- j) Define Ripening
- k) What is meant by Food Quality?
- l) Define Exhausting
- m) Define Blanching

**Q.2. Answer any one of the following.**

05M

- a) Describe modified atmosphere packaging.
- b) Give brief account on Coffee processing.

**Q.3 Write short notes on any two of the following**

10M

- a) International organizations
- b) Processing of jelly
- c) Water used for fruit and vegetables in industry.

**Q.4 Answer any two of the following.**

10M

- a) Write about climacteric and non- climacteric fruits
- b) Explain Quality characteristics of fruits and vegetable processing.
- c) Write advantages and disadvantages of osmotic dehydration

**Q. 5 write any one of the following.**

12M

- a) Write in detailed introduction, manufacturing process and Classification of Tea.
- b) Define spices, Give its introduction and Explain (any three) physical properties of major spices.

Total No of Questions: 3.  
Total No of Pages: 2

Exam Seat No:

**Anekant Education Society's**  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
**(Autonomous)**

**Affiliated to Savitribai Phule Pune University, Pune**  
**Semester End Examination of Oct/Nov-2024**  
**Class- F.Y.B.Voc. Journalism and Mass Communication**

**Semester: I**  
**Subject: JMC-101-MJM: Introduction to Mass Communication**  
**(NEP Pattern)**

**Time: 1.00 hr.**

**(No. of Credits 02)**

**Max. Marks: 30**

**Instruction: All Questions are compulsory**

**Q.No.1 (A) Attempt each of the following**

**(1 Marks each)**

1. What is Idea?
2. Define feedback in the communication process.
3. What is visual communication?
4. Who is receiver in communication process?

**(B) Attempt each of the following**

**(2 Marks each)**

1. What is noise in communication?
2. What is sign?
3. What is decoding?

**Q.No.2 Attempt any four of the following**

**(3 Marks each)**

1. Write about importance of language in communication.
2. Describe the process of communication.
3. What is inter-personal communication?
4. What is mass communication?
5. Explain non-verbal communication.
6. What is the difference between verbal and visual communication?

**Q.No.3 Attempt any two of the following**

**(4 Marks each)**

1. What are the seven Cs of communication? Explain.
2. What are the barriers to effective communication?
3. Explain the Shannon-Weaver Model of communication.
4. Discuss Aristotle's model of communication.



## मराठी भाषांतर

सूचना: सर्व प्रश्न अनिवार्य आहेत.

प्र.क्र. १ (अ) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी १ गुण)

1. कल्पना म्हणजे काय?
2. संवाद प्रक्रियेत प्रतिसादाची व्याख्या करा.
3. दृक्-श्राव्य आधारित संवाद म्हणजे काय?
4. संवाद प्रक्रियेत प्राप्तकर्ता कोण असतो?

(ब) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी २ गुण)

1. संवादातील गोंगाट (आवाज) म्हणजे काय?
2. चिन्ह म्हणजे काय?
3. डीकोडिंग म्हणजे काय?

प्र.क्र. २ खालीलपैकी कोणत्याही चार प्रश्नांचे उत्तर द्या.

(प्रत्येकी ३ गुण)

1. संवादात भाषेचे महत्त्व लिहा.
2. संवादाच्या प्रक्रियेचे वर्णन करा.
3. आंतर-वैयक्तिक संवाद म्हणजे काय?
4. जनसंवाद म्हणजे काय?
5. गैर-मौखिक संप्रेषण स्पष्ट करा.
6. मौखिक आणि दृक्-श्राव्य संवाद यामधील फरक काय आहे?

प्र.क्र. ३ खालीलपैकी कोणत्याही दोन प्रश्नांचे उत्तर द्या.

(प्रत्येकी ४ गुण)

1. संवादाच्या सात 'C' काय आहेत? स्पष्ट करा.
2. प्रभावी संवादाचे अडथळे कोणते आहेत?
3. संप्रेषणाचे शॅनन-वीन्हर मॉडेल स्पष्ट करा.
4. ऑरिस्टॉटलच्या संवादाच्या मॉडेलची चर्चा करा.

Total No of Questions: 3.

Total No of Pages: 2

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**Anekant Education Society's**  
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Semester End Examination

Class- F.Y.B.Voc. Journalism and Mass Communication

Semester: I

Subject: JMC-102- MJM: Introduction to Journalism

(NEP Pattern)

Time: 1.00 hr.

(No. of Credits 02)

Max. Marks: 30

**Instruction: All Questions are compulsory**

**Q.1(A) Attempt each of the following**

**(1 Marks each)**

- i) Write full form of ANI.
- ii) Who started 'Dnyansindhu' newspaper?
- iii) Motilal Ghosh was associated with which newspaper?
- iv) Who started 'Harijan' newspaper?

**Q.1 (B) Attempt each of the following**

**(2 Marks each)**

- i) To which media organization does the Marathi newspaper Loksatta belong?
- ii) Write about newspapers of Mahatma Gandhi
- iii) Write about News Beat

**Q.2 Attempt any four of the following**

**(3 Marks each)**

- i) Write briefly about Reuters news agency.
- ii) Which technology was first invented for newspaper printing?
- iii) To which media organization does the Marathi newspaper Maharashtra Times belong?
- iv) Write briefly about the Press Council of India.
- v) Write about the editors under whose leadership the publication of the *Kesari* and *Maratha* Periodicals were started.
- vi) Write briefly about UNI.

**Q.3 Attempt any two of the following**

**(4 Marks each)**

- i) Write about Anglo-Indian newspapers.
- ii) Why is the media called the Fourth Estate of democracy? Explain
- iii) Write about journalism in emergency era.
- iv) Explain functions of news with suitable example.



मराठी भाषांतर

प्रश्न क्र. १.(अ) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी १ गुण)

- I. ए.एन.आय. चे पूर्ण रूप लिहा?
- II. ज्ञानसिंधु हे वृत्तपत्र कोणी सुरु केले?
- III. मोतीलाल घोष हे कोणत्या वृत्तपत्राशी संबंधित होते?
- IV. हरिजन हे वृत्तपत्र कोणी सुरु केले?

(ब) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी २ गुण)

- I. मराठी वृत्तपत्र लोकसत्ता कोणत्या माध्यम संस्थेशी संबंधित आहे?
- II. महात्मा गांधी यांच्या वृत्तपत्राविषयी लिहा.
- III. न्यूज बीट याविषयी लिहा.

प्रश्न क्र. २ खालीलपैकी कोणत्याही चार प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ३ गुण)

- I. रॉयटर या वृत्तसंस्थे विषयी थोडक्यात लिहा.
- II. वृत्तपत्रांच्या छपाईसाठी कोणत्या तंत्रज्ञानाचा सर्वात प्रथम शोध लागला.
- III. महाराष्ट्र टाईम्स हे मराठी वर्तमानपत्र कोणत्या साखळी वृत्तपत्र समूहाचे आहे.
- IV. प्रेस कौन्सिल ऑफ इंडिया याविषयी थोडक्यात लिहा.
- V. केसरी व मराठा नियतकालिकांच्या प्रकाशनाची सुरुवात कोणत्या संपादकाच्या अधिकारात करण्यात आली ? त्यांच्याविषयी लिहा.
- VI. यु.एन.आय. विषयी थोडक्यात लिहा.

प्रश्न क्र. ३ खालीलपैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ४ गुण)

- I. अँग्लो-इंडियन वृत्तपत्रांबद्दल लिहा.
- II. माध्यमांना लोकशाहीचा चौथा स्तंभ का म्हणतात? स्पष्ट करा.
- III. आणीबाणीच्या काळातील पत्रकारितेबद्दल माहिती द्या.
- IV. बातम्यांचे कार्य योग्य उदाहरणासह स्पष्ट करा.

Total No of Questions: 3.  
Total No of Pages: 2

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**Affiliated to Savitribai Phule Pune University, Pune**  
**Semester End Examination ~~December 2024~~**  
**Class- F.Y.B.Voc. Journalism and Mass Communication**  
**Semester: I**

**Subject: JMC-137- IKS: Indian Folk Media**  
**(NEP Pattern)**

**Time: 1.00 hr.**

**(No. of Credits 02)**

**Max. Marks: 30**

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**Instruction: All Questions are compulsory .**

**Q1 (A) Attempt each of the following.**

**(1 Mark each)**

1. Bhavai folk dance exists in which state?
2. Powada in Maharashtra is related to what form of poetry?
3. Songadya is a character in which folk art?
4. Which are any two famous folktales of Maharashtra?

**(B) Attempt each of the following.**

**(2 Mark each)**

1. Write any two names of tamasha actors?
2. Write the difference between Bhajan and Kirtan.
3. What are the major types of folk dances in India?

**Q.2 Attempt any four of the following:**

**(3 Mark each)**

1. Tamasha
2. Puppet Tradition
3. Ancient Indian Sculptures
4. Jagran Gondhal
5. Folk Instruments
6. Powada

**Q3. Attempt any two of the following.**

**(4 Mark each)**

1. How can puppetry be used to highlight social issues?
2. What are the prominent traditional folk instruments in India?
3. Why is it important to preserve folk arts in the digital age?



प्रश्न १. (अ) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी १ गुण)

1. भिवई हे लोकनृत्य कोणत्या राज्यामध्ये अस्तित्वात आहे ?
2. महाराष्ट्रातील पोवाडा हा काव्य प्रकार कशाशी संबंधित आहे?
3. सोंगाड्या हे पात्र कोणत्या लोककलेमध्ये आहे ?
4. महाराष्ट्रातील कोणत्याही दोन प्रसिद्ध लोककथा कोणत्या आहेत?

(ब) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी २ गुण)

1. कोणत्याही दोन तमाशा कलाकारांची नावे लिहा ?
2. भजन आणि किर्तन यामधील फरक लिहा.
3. भारतातील प्रमुख लोकनृत्य प्रकार कोणते आहेत?

प्रश्न क्र. २ खालीलपैकी कोणत्याही चार प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ३ गुण)

1. तमाशा
2. कठपुतळी परंपरा
3. जुनी भारतीय शिल्पे
4. जागरण-गोंधळ
5. लोकवाद्ये
6. पोवाडा

प्रश्न क्र. ३ खालीलपैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ४ गुण)

1. कठपुतळी प्रकारच्या माध्यमातून सामाजिक प्रश्नावर कसा प्रकाश टाकता येतो?
2. पारंपारिक भारतीय लोक वाद्यांमध्ये कोणते वाद्ये प्रचलित आहेत?
3. डिजिटल युगात लोककला जतन करणे का महत्वाचे आहे?

Total No. of Questions: 3

Total No. of Page: 1

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F.Y.B.Voc. JMC  
Semester-II  
JMC-151-MJM-News Reporting and Editing  
(NEP Pattern)  
(No. of Credit 02)

Time: 01:30 Hours

Max. Marks: 30

**Instruction to the candidates:**

- i) All questions are compulsory
- ii) Right side indicates marks

**Q1. (A) Attempt each of the following**

(1 Marks each)

- a) Write the name of sunday edition published by Sakal newspaper?
- b) Which newspaper was started by Lokmanya Tilak?
- c) What is Byline?
- d) Write the name of any two political reporters.

**(B) Attempt each of the following**

(2 Marks each)

- a) Write the name of any two news editors.
- b) What is Headline?
- c) Write the functioning of the administration department in newspaper organization?

**Q2. Attempt any four of the following**

(3 Marks each)

- a) Explain the structure of inverted pyramid with diagram.
- b) Write the responsibilities of a reporter.
- c) Write down the qualities required in a sub editor.
- d) Explain the functions of editorial department in newspaper organization.
- e) Explain the sports beat of news.
- f) What are the precautions needed while writing news?

**Q3. Attempt any two of the following**

(4 Marks each)

- a) Distinguish between rural reporting and urban reporting.
- b) Explain the printing department of a newspaper organization.
- c) Write different types of headline.
- d) Explain any five types of lead with examples.



Total No. of Questions: 3

Exam Seat No:-

Total No. of Page: 1

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F.Y.B.Voc. JMC  
Semester-II  
JMC-151-MJM-News Reporting and Editing  
(NEP Pattern)  
(No. of Credit 02)

Time: 01:30 Hours

Max. Marks: 30

विद्यार्थ्याकरिता सूचना :

- १) सर्व प्रश्न अनिवार्य आहेत
- २) उजवी बाजू गुण दर्शवते

प्र.क्र.१(अ) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ०१ गुण)

- १) दै. मध्ये सकाळ प्रकाशित होणाऱ्या रविवार पुरवणीचे नाव लिहा?
- २) लोकमान्य टिळकांनी कोणते वृत्तपत्र सुरू केले?
- ३) बायलाईन म्हणजे काय?
- ४) कोणत्याही दोन राजकीय वार्ताहराची नावे लिहा.

(ब) खालीलपैकी सर्व प्रश्नांची उत्तरे लिहा.

(प्रत्येकी ०२ गुण)

- १) संपादकांची दोन नावे लिहा.
- २) हेडलाइन म्हणजे काय?
- ३) वर्तमानपत्रातील प्रशासन विभागाचे कामकाज लिहा?

प्र.क्र.२. खालीलपैकी कोणत्याही चार प्रश्नांची उत्तरे लिहा

(प्रत्येकी ३ गुण)

- १) वृत्तपत्राच्या वार्ताहराच्या जबाबदाऱ्या लिहा.
- २) उप-संपादकामध्ये आवश्यक असलेले गुण लिहा.
- ३) संपादकीय विभागाचे कार्य स्पष्ट लिहा.
- ४) उलटा त्रिकोणाची रचना स्पष्ट करा.
- ५) क्रीडा बीटचे स्पष्टीकरण द्या.
- ६) बातम्या लिहिताना कोणती काळजी घेणे आवश्यक आहे?

प्र.क्र.२. खालीलपैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा

(प्रत्येकी ४ गुण)

- १) ग्रामीण वार्ताकन आणि शहरी वार्ताकन यामधील फरक स्पष्ट करा.
- २) वर्तमानपत्रातील छपाई विभागाचे काम लिहा.
- ३) हेडलाइनचे विविध प्रकार लिहा.
- ४) अग्रभागाचे कोणतेही पाच प्रकार उदाहरणासह स्पष्ट करा

Total No of Questions: 3.  
Total No of Pages: 2

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Affiliated to Savitribai Phule University, Pune  
Class: F.Y. B.Voc Journalism and Mass Communication  
Subject: JMC-152-MJM Current Affairs World, India, Maharashtra  
Semester: II  
(2023 NEP Pattern)  
(No. of Credits 02)

Max. Marks: 30

Time: 1 Hour

**Instructions to the Candidates:**  
**All Questions are Compulsary**

(1 Marks each)

**Q1.(A) Attempt each of the following**

- (i) Who is central finance minister of India?
- (ii) Which rank in world GDP in India
- (iii) Who is the most expensive player in IPL auction 2025?
- (iv) Where was the 98<sup>th</sup> 'All India Marathi literature Conference' held?

(2 Marks each)

**(B) Attempt each of the following**

- (i) Which are the first five states to be included in the Panchayat Transfer Status 2024 report?
- (ii) Write about: Point Namu
- (iii) List the types of economy.

(3 Marks each)

**Q2. Attempt any four of the following**

- (i) Write about the violence in Syria
- (ii) Write about Padma Awards 2024-25.
- (iii) Write about: Mukhyamantri Ladki Bahin Yojna.
- (iv) Write about Davos Summit 2025
- (v) Write about spacex crew 10 missions.
- (vi) Write about Indian economy.

(4 Marks each)

**Q3. Attempt any two of the following**

- (i) Briefly explain the central financial budget 2025-26..
- (ii) Explain any four scheme in Central government.
- (iii) Analyze the social issues happening in Maharashtra.
- (iv) Write about AI technology in agricultural.



प्र.क्र. १ (अ) खालील प्रत्येक प्रश्नाचे उत्तर द्या

(प्रत्येकी १ गुण)

- (१) भारताचे अर्थमंत्री कोण आहेत.
- (२) जागतिक GDP मध्ये भारत कोणत्या क्रमांकावर आहे?
- (३) २०२५ च्या आयपीएल लिलावातील सर्वात महागडा खेळाडू कोण आहे?
- (४) ९८ वे 'अखिल भारतीय मराठी साहित्य संमेलन' कोठे आयोजित करण्यात आले होते?

(ब) खालील प्रत्येक प्रश्नाचे उत्तर द्या

(प्रत्येकी २ गुण)

- (१) पंचायत हस्तांतरण स्थिती २०२४ अहवालात समाविष्ट होणारी पहिली पाच राज्ये कोणती आहेत?
- (२) पॉइण्ट नमो विषयी लिहा.
- (३) अर्थव्यवस्थेचे प्रकार लिहा.

प्र.क्र. २ खालीलपैकी कोणतेही चार प्रश्न सोडवा

(प्रत्येकी ३ गुण)

- (१) सीरियातील हिंसाचाराबद्दल लिहा.
- (२) पद्म पुरस्कार २०२४-२५ बद्दल लिहा.
- (३) 'मुख्यमंत्री माझी लाडकी बहीण योजना' याविषयी लिहा.
- (४) 'दावोस शिखर परिषद २०२५' विषयी लिहा.
- (५) स्पेस एक्स क्रू १० मिशन बद्दल लिहा.
- (६) भारतीय अर्थव्यवस्थेविषयी लिहा.

प्र.क्र. ३ खालीलपैकी कोणतेही दोन प्रश्न सोडवा

(प्रत्येकी ४ गुण)

- (१) थोडक्यात केंद्रीय अर्थसंकल्प २०२५-२६ स्पष्ट करा.
- (२) केंद्र शासनाच्या कोणत्याही चार योजना स्पष्ट करा.
- (३) महाराष्ट्रात घडत असलेल्या सामाजिक घटनांचे विश्लेषण करा.
- (४) शेतीमधील ए. आय. तंत्रज्ञानाविषयी लिहा.

**Subject: UBJM111 Introductions to Mass Communication**

**F.Y.B.Voc. JMC**

**(2022 Pattern)**

Time: 2.00 Hrs

**Semester: I**

**Marks: 50**

**All Questions are Compulsary**

**Q.1A) Choose appropriate option**

**(07 Marks)**

- Q.1A) Choose appropriate option**
- 1) The word communication is derived from the Latin word 'communis' what does it mean?  
A) To write  
B) To share  
C) To speak  
D) None of above
  - 2) A headache is an example of \_\_\_\_\_ noise.  
A) Biological B) Psychological C) Physical D) Medical
  - 3) Which of the following steps occur the least in the communication process?  
A) Decoding B) Channel C) Feedback D) Encoding
  - 4) The term 'Global Village' was coined by:  
A) George Gerbener B) Marshall McLuhan  
C) Wilber Schramm D) Pamela Shoemake
  - 5) Who invented the printing press?  
A) Marshal Meluhan B) Ts'aiLun  
C) Johannes Gutenberg D) None of these
  - 6) Movies is the medium of \_\_\_\_\_  
A) Group Communication B) Non Verbal Communication  
C) Mass Communication D) Verbal Communication
  - 7) Group discussion is a form of -----  
A) Dyadic communication B) Multiadic communication  
C) Mass communication D) interpersonal communication

**Q1B.) Give the answers in one line.**

**(06 Marks)**

- 1) Give five signs which you encounter daily.
- 2) Write any three colors with its meaning.
- 3) What is 'suspension of disbelief'?
- 4) What is the meaning of selective perception?
- 5) What is noise in Mathematical model of communication?
- 6) Why feedback is necessary in any types of communication?

**Q.2)Short Notes. (Any Two)**

**(10 Marks)**

- 1) Changing media audience
- 2) Concept of communication
- 3) Verbal communication



**Q.3) Answer the questions in brief. (Any Two)**

**(10 Marks)**

- 1) Write about barriers of effective communication.
- 2) How did the printing press make possible mass communication development?
- 3) Write about importance of language in communication.

**Q.4) Answer the any one question**

**(05 Marks)**

- 1) Explain the forms of communication with suitable example.
- 2) Explain the relation between communication and socialization with example.

**Q.5) Answer the any one question.**

**(12 Marks)**

- A) Explain the Harold D. Lasswell of communication process with diagram.
- B) Explain the Osgood and Schramm Circular Model of communication with diagram.

**OR**

- C) What are basic elements of communication? Explain with suitable examples.

सूचना :सर्व प्रश्न अनिवार्य आहेत.

(०७ गुण)

**प्रश्न 1.3A योग्य पर्याय निवडा.**

- प्रश्न 1. अ) योग्य पर्याय निवडा.
- 1) कम्युनिकेशन हा शब्द लाटिन शब्द 'कम्युनिस' या शब्दावरून घेण्यात आला त्याचा अर्थ काय?  
अ) लिहिणे ब) बोलणे  
क) सामाईक करणे ड) यापैकी काहीच नाही
- 2) डोके दुखी हे \_\_\_\_\_ प्रकारच्या व्यत्ययाचे उदाहरण आहे.  
अ) जैवीक ब) मानसिक क) शारीरिक ड) आरोग्य विषयक
- 3) संज्ञापन प्रक्रियेतील सर्वात शेवटचा टप्पा कोणता?  
अ) डिकोडिंग ब) वाहिनी क) प्रतिसाद ड) इनकोडिंग
- 4) ग्लोबल व्हिलेज ही संकल्पना कोणी मांडली?  
अ) जॉर्ज गर्बनर ब) मार्शल मॅल्युहन क) विल्बर श्राम ड) पामेला शोमेक
- 5) छपाईच्या यंत्राचा शोध कोणी लावला?  
अ) जॉहन्स गटेन बर्ग ब) मार्शल मॅल्युहन क) जगदिशचंद्र बोस ड) यापैकी नाही
- 6) चित्रपट हे..... चे माध्यम आहे.  
अ) गटसंज्ञापन ब) अमौखिक संज्ञापन क) जनसंज्ञापन ड) मौखिक संवाद
- 7) गटचर्चा हा.....चा प्रकार आहे.  
A) गटसंज्ञापन B) संवाद C) जनसंज्ञापन D) स्वसंवाद
- (०६ गुण)

(०६ गुण)

ब) एका वाक्यात उत्तरे लिहा

- 1) आपल्याला दररोज आढळणाऱ्या पाच चिन्हांचे उदाहरण द्या.
- 2) तीन रंगाची नावे त्यांच्या अर्था सहित लिहा.
- 3) 'अविश्वास निलंबित' म्हणजे काय?
- 4) सिलेक्टिव परसेप्शन म्हणजे काय?
- 5) कम्युनिकेशन च्या गणितीय प्रतीमानामध्ये व्यत्यय काय आहे?
- 6) कोणत्याही संज्ञापनामध्ये प्रतिसाद महत्वाचा का आहे?

(१० गुण)

Q.2. टीपालिहा. (कोणत्याही दोन)

- 1) माध्यमांचा बदलता प्रेक्षक
- 2) संज्ञापन संकल्पना
- 3) मौखिक संज्ञापन



Q.3. थोडक्यात उत्तरे लिहा (कोणतेही दोन)

(१० गुण)

- 1) प्रभावी संज्ञापनातील अडथळ्यां विषयी लिहा.
- 2) छापाई यंत्रांमुळे जनसंज्ञापनाचा विकास झाला ते स्पष्ट करा.
- 3) संज्ञापनामध्ये भाषेचे महत्व विषद करा.

Q.4 कोणत्याही एका प्रश्नाचे उत्तर लिहा.

(०५ गुण)

- 1) संज्ञापनाचे प्रकार कोणते उदाहरणासह स्पष्ट करा..
- 2) संज्ञापन आणि सामाजिकरण यातील सहसंबंध उदाहरणासह स्पष्ट करा.

Q.5 कोणत्याही एका प्रश्नाचे उत्तर लिहा.

(१२ गुण)

- 1) हेरॉल्ड आणि लॉसवेल यांचे संज्ञापनाचे प्रतिमाण आकृतीसह स्पष्ट करा.
- 2) संज्ञापनाचे वर्तुळाकार प्रतिमान आकृतीसह स्पष्ट करा.

किंवा

- 1) संज्ञापनाचे मुलभूत घटक कोणते? उदाहरणासह स्पष्ट करा.

Total No. of Questions: 3

Exam. Seat No.   
Total No. of Pages: 1

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)

Affiliated to Savitribai Phule Pune University, Pune  
Class: FY B.Voc

Subject: Dairy Technology  
Semester I

Course Code: DRT-121-VSC, Course Title: Waste Management and Effluent Treatment  
(NEP Pattern)

Time: One Hour

Max. Marks: 30

Instructions to the candidates: (If any)

- i. All questions are compulsory.
- ii. Draw neat labeled diagrams wherever necessary.

Q1. (A) Attempt each of the following

(1 Mark each)

- (i) HDPE stands for \_\_\_\_\_
- (ii) Biotechnology Research Centre is located at \_\_\_\_\_
- (iii) Temperature of waste water is higher due to \_\_\_\_\_
- (iv) Absorption is measured by using \_\_\_\_\_

(B) Attempt each of the following

(2 Marks each)

- (i) Describe Dairy Waste
- (ii) Enlist chemical properties of waste water
- (iii) What is hard water?

Q2. Attempt any four of the following

(3 Marks each)

- (i) Write a note on Solid waste.
- (ii) Describe secondary treatments of waste water
- (iii) Write a note on Surface deposits
- (iv) Explain in detail about solid waste management
- (v) Describe the methods of Removal of permanent hardness
- (vi) Give brief account on impurities in water

Q3. Attempt any two of the following

(4 Marks each)

- (i) Enlist and explain properties of waste water
- (ii) Write in detail about types of water hardness
- (iii) Give a brief account on BOD
- (iv) Write a note on chlorination



Exam. Seat No.

Total No. of Questions: 3

Total No. of Pages : 1

Anekant Education Society's  
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Affiliated to Savitribai Phule Pune University, Pune  
Class: - F.Y. B.Voc  
Subject: - Dairy Technology  
Semester: - I  
Course Code: DRT-137-IKS, Course Title: - Milk and Ancient Indian therapy  
(NEP Pattern)

Time: One Hour

(No. of Credits 02)

Max. Marks: 30

Instructions to the candidates: (If any)

- i. All questions are compulsory.
- ii. Draw a neat labeled diagrams wherever necessary.

Q1. (A) Attempt each of the following

(1Marks each)

- (i) Saraswati River also called as \_\_\_\_\_.
- (ii) The first book of humanity is \_\_\_\_\_.
- (iii) Nalanda is an ancient centre of higher learning in \_\_\_\_\_.
- (iv) \_\_\_\_\_ Veda contains references to the medicinal properties of milk.

(B) Attempt each of the following

(2 Marks each)

- (i) Enlist the names of four Vedas
- (ii) Write down the names of alumni of Taksasila University
- (iii) Enlist the breeds of cows in ancient times

Q2. Attempt any four of the following

(3 Marks each)

- (i) Write in detail about genesis of land
- (ii) What is Antiquity of Civilization?
- (iii) Write a note on role of dairy officer in Kautiliya Arthashastra
- (iv) Explain in detail about various milk products used in Yadnya.
- (v) Write in detail the Vedas.
- (vi) Explain any four breeds of buffaloes.

Q3. Attempt any two of the following

(4 Marks each)

- (i) Describe in detail about Takashia University.
- (ii) Write in detail Saraswati-Sindhu Civilization.
- (iii) Explain about use of milk & milk product in Ayurveda.
- (iv) Give brief account on Sarswati River.

Exam Seat No.

**Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
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**Affiliated to Savitribai Phule Pune University, Pune**

**Department of Dairy Technology**

**F. Y. B. Voc. Dairy Technology**

**Semester: II**

**DRT – 151 – MJM Market Milk  
(2023 pattern as per NEP 2020)**

**Max. Marks: 30**

**(01 Mark each)**

**Time: 01 Hour**

**Q.1A. Attempt each of the following.**

- 1) BMC stands for \_\_\_\_\_.
- 2) Write full form for SNF.
- 3) \_\_\_\_\_ test is performed to check efficiency of pasteurization.
- 4) Find the odd one out.  
UHT, IBT, HTST, LTLT

**(02 Marks each)**

**B. Attempt each of the following.**

- 1) Define Skimmed milk.
- 2) Define Standardization.
- 3) Define Pasteurization.

**(03 Marks each)**

**Q2. Attempt any four of the following.**

- 1) Differentiate between standardized and toned milk.
- 2) Write a note on fermented milk.
- 3) Elaborate on receiving of milk.
- 4) Explain in brief about modes of transport of milk.
- 5) Write a note on Fortification of milk.
- 6) Distinguish between toned and double toned milk.

**(04 Marks each)**

**Q3. Answer any two of the following.**

- 1) Define Homogenization. Write its objectives, advantages and disadvantages in detail.
- 2) Write a note on modes of milk transport.
- 3) Write in detail about Standardization of milk.
- 4) Elaborate on Packaging and storage of milk

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Exam. Seat No.

Total No .of Question : 3

Total No .of Pages :1

**Anekant Education Society's**  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
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**Affiliated to Savitribai Phule Pune University, Pune**  
**Department of Dairy Technology**  
**F. Y. B. Voc. Dairy Technology**  
**DRT-152- MJM Dairy Microbiology**  
**Semester: II**  
**(2023 pattern as per NEP 2020)**

Time: 01Hour

(No. of Credits 02 )

Max. Marks: 30

**Instructions to the candidates: (If any)**

- i. *All questions are compulsory*
- ii. *Draw a neat labeled diagram wherever necessary*

**Q.1A. Attempt each of the following**

(1 Mark each)

- 1) Who is Father of Microbiology?
- 2) Enlist any 4 factors affecting growth of microorganisms.
- 3) The cell which does not contain true nucleus is called as \_\_\_\_\_.
- 4) Give any two examples of viruses.

**B. Attempt each of the following.**

(2 Marks each)

- 1) Describe basic Stain.
- 2) What is living media?
- 3) Describe Microscope.

**Q2. Attempt any four of the following.**

(3 Marks each)

- 1) Write a note on pour plate technique.
- 2) Explain the electron Microscope
- 3) Write a note on pH.
- 4) Write about the historical contribution of various scientists in microbiology.
- 5) Give a brief account on natural media.
- 6) Explain the causes of food spoilage.

**Q3. Attempt any two of the following.**

(4 Marks each)

- 1) Write a note on microbial spoilage of milk & milk products.
- 2) Explain the different phases of bacterial growth curve.
- 3) Enlist and Explain types of microorganisms.
- 4) Write the classification of culture media based on its use and application.

Exam. Seat No.

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Affiliated to Savitribai Phule Pune University, Pune  
Department of Dairy Technology

F. Y. B. Voc. Dairy Technology

Semester: II

DRT-171- VSC Food Safety, Hygiene and Sanitation  
(2023 pattern as per NEP 2020)

Max. Marks: 30

Time: 01 Hour

**Q.1A. Attempt each of the following.**

(04)

- 1) Give the full form of TQM
- 2) Kaizen refers to \_\_\_\_\_
- 3) HACCP stands for \_\_\_\_\_
- 4) \_\_\_\_\_ are usually organic residues generated by the processing of raw agricultural materials into food and are made up of liquid (wastewater) and solids.

**B. Attempt each of the following.**

(06)

- 1) Define Incineration
- 2) Define Food safety
- 3) Define TQM

**Q2. Attempt any four of the following.**

(12)

- 1) Write note on organic foods
- 2) Write a note on GHP
- 3) Write a note on pest management
- 4) Explain Kaizen and its types.
- 5) Write note on auditing
- 6) Explain waste minimization

**Q3. Attempt any two of the following.**

(08)

- 1) Write difference between byproduct and waste
- 2) Define packaging and explain its types with suitable examples
- 3) Explain HACCP in detail with its 7 principles
- 4) Explain types of waste



Exam Seat No.

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**Affiliated to Savitribai Phule Pune University, Pune  
Department of Dairy Technology  
F. Y. B. Voc. Dairy Technology  
Semester: II**

**DRT – 252 – MJM Traditional Indian Dairy Product  
(2023 pattern as per NEP 2020)**

**Time: 01 Hour**

**Max. Marks: 30**

**Q.1A. Attempt each of the following.**

**(01 Mark each)**

- 1) State whether True or False - Evaporated milk does not contain sugar.
- 2) \_\_\_\_\_ refers to introduction of lactose to very fine powder.
- 3) Basundi with Small Rasgulla in it is also called as \_\_\_\_\_.
- 4) Khoa contains \_\_\_\_\_ % of Fat.

**B. Attempt each of the following.**

**(02 Marks each)**

- 1) Describe Ripening of cream.
- 2) Define Ghee.
- 3) What is Standardization?

**Q2. Attempt any four of the following.**

**(03 Marks each)**

- 1) Explain the flow diagram for manufacture of Basundi.
- 2) Write about chemical composition and its nutritive value of Khoa.
- 3) Batch method of Channa Production.
- 4) Factors Affecting Browning, discoloration and cooked flavor in Condensed Milk.
- 5) Illustrate on Varieties of Khoa.
- 6) Write about Pre-stratification method in Ghee manufacturing

**Q3. Answer any two of the following.**

**(04 Marks each)**

- 1) Illustrate on manufacture of Evaporated Milk with proper Flowchart.
- 2) Explain the Defects, their causes and prevention of Ghee
- 3) Elaborate on Principle of Evaporation.
- 4) Describe manufacture of Butter with proper Flowchart.

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Total No. of Questions –3]

[Total No. of Printed Pages – 01

Seat No.-

Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati**

**[Autonomous]**

Semester End Examination ~~2022-23~~ (~~2022~~)

F.Y. B. Voc. Retail Management (NEP-2020) (Pattern-2023)

**(RTM-102-MJM) Basics of Marketing (Sem.-I)**

Time- 1.30 Hours]

[Max. Marks-30

Instructions: - i) All questions are compulsory.  
ii) Figures to the right indicate full marks.

**Q.1. A] Fill in the Blanks**

4×1= 04

- A) Who is the Father of Modern Marketing?  
a) Philip Kotler                      b) Peter F Drucker  
c) Abraham Maslow                d) Raymond Kroc
- B) According to Philip Kotler marketing is \_\_\_\_?  
a) A Science                              b) An Art  
c) Both Science and art                d) None of the above
- C) The major objective of any marketing activity is to?  
a) Sell                                        b) Promote  
c) Create                                    d) Increase awareness
- D) At which stage of the product life cycle do the sales slowdown and profits level off or decline?  
a) Introduction                              b) Growth  
b) Maturity                                    d) Decline

**B] Write the answer in one sentence.**

3×2= 06

- a) Basics of Marketing  
b) Market Segmentation  
c) Functions of Marketing

**Q.2. Answer the following [Any 4]**

4×3= 12

- a) Micro Environment  
b) Marketing Planning  
c) Scope of Marketing  
d) Marketing Information System  
e) Introduction stage in Product life cycle  
f) Why marketing is important in today's competition.

**Q. 3. Answer the following [Any 2]**

2×4= 08

- a) Importance of Marketing  
b) Market Research  
c) Difficulties in Marketing Planning  
d) Write down role of Marketing Manager.

\*\*\*\*\*



Total No. of Questions -5]

[Total No. of Printed Pages - 01

Seat No.-

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati  
[Autonomous]

Affiliated to Savitribai Phule Pune University, Pune  
F.Y. B. Voc. Retail Management (NEP-2020)

(RTM-121-VSC) Indian Economy  
(Sem.-I) Examination ~~2020-2021 (Reg. 12)~~  
(Pattern 2023)  
(No of Credits -2)

[Max. Marks-30

Time- 1.00 Hours]

Instructions: - i) All questions are compulsory.  
ii) Figures to the right indicate full marks.

6×1= 06

**Q.1. A] Fill in the Blanks**

- a) The Reserve Bank of India was established on \_\_\_\_\_.  
a) April 1, 1935  
b) July 12, 1982  
c) May 26, 2006  
d) September 30, 2005
- b) The number of structures in India's GST model is.  
A) 6  
B) 4  
C) 3  
D) 5
- c) Who was the prime minister of India during the demonetization of 2016?  
A) Manmohan Singh  
B) Atal Vihari Bajpayee  
C) Narendra Modi  
D) HD Devegowda
- d) If RBI reduces the cash reserve ratio, what will happen to the credit creation?  
A) There will be no impact.  
B) It will decrease.  
C) It will increase.  
D) None of the above
- e) The maximum rate applicable for SGST/UTGST is.  
A) 28  
B) 14  
C) 20  
D) 30
- f) The latest demonetization event in India took place in  
A) 2014  
B) 2020  
C) 2011  
D) 2016

4×1= 04

**B] Answer in one sentence.**

- a) NDTL  
c) SLR.

- b) CRR.  
d) Enlist Sectors of economy

4×3= 12

**Q.2. Answer the following [Any 4]**

- a) Secondary sector  
b) Explain money cycle in economy.  
c) GST Structure.  
d) Importance of industry in the Indian Economy  
e) Primary sector  
f) RBI

2×4= 08

**Q. 3. Answer the following [Any 2]**

- a) Importance of agriculture in the Indian Economy  
b) Role of RBI & monetary policy  
c) GST council.  
d) Tertiary sector of eeconomy

.....



Seat No:

Anekant Education Society's  
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Affiliated to Savitribai Phule Pune University, Pune

Term End Examination

Class - F.Y. B. Voc Retail Management Semester- I (NEP- 2020) (Pattern 2023)

Subject – (RTM-137-IKS) Evolution of Retail (No. of Credits 02)

[Maxi. Marks – 30

Time – Allowed 1.00 Hours]

Instructions: - i) All questions are compulsory.

ii) Figures to the right indicate full marks.

4x1= (04)

**Q. 1 A) Fill in the blanks:**

1. Factory Outlet is an example of \_\_\_\_\_ retailer.

A) Specialty

B) Off-price

C) Discount

D) Department

2. A \_\_\_\_\_ store is a large store, divided into departments which sell such products as furnishings, electronics, clothing, footwear, toys, cosmetics and sometimes also groceries.

A) Chain Retailers

B) Organized sector

C) Department Stores

D) Unorganized Sectors

3. Consumer protection act was passed in \_\_\_\_\_.

A) 19952

B) 1999

C) 1954

D) 1986

4. \_\_\_\_\_ refers to the integration of online and offline retail Channels.

A) E-Commerce

B) Factory Outlets

C) Social Commerce

D) Omnichannel Retailing

3x2= (06)

**B) Attempt each of the following:**

1. What is departmental Store.

2. E-Commerce

3. Explain convenience stores.

4x3 = (12)

**Q.2 Attempt any four of the following:**

1. Traditional Brick and Morter Retail.

2. Classification of Tier Cities

3. E- Commerce Boom(2010's).

4. Rise of shopping malls.

5. Social Media use in Retail Sector.

6. Challenges of Rural Retail Expansion.

2x4 =(08)

**Q. 3 Attempt any two of the following:**

1. Organized Sectors.

2. Growth of Retail Industry from 1995 to 2020.

3. Chain Retailers.

4. Benefited sectors in Retail Industries.

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Anekant Education Society's

Tuljaram Chaturchand College of Arts, Science &amp; Commerce, Baramati

[Autonomous]

Affiliated to Savitribai Phule Pune University, Pune

F.Y. B. Voc. Retail Management (NEP-2020)

(RTM-121-VSC) Indian Economy

(Sem.-I) Examination ~~2022-23~~ (Regular)

(Pattern 2023)

(No of Credits -2)

[Max. Marks-30]

Time- 1.00 Hours]

Instructions: - i) All questions are compulsory.

ii) Figures to the right indicate full marks.

## Q.1. A] Fill in the Blanks

6×1= 06

- a) The Reserve Bank of India was established on \_\_\_\_\_.  
 a) April 1, 1935  
 c) May 26, 2006  
 b) July 12, 1982  
 d) September 30, 2005
- b) The number of structures in India's GST model is.  
 A) 6 B) 4 C) 3 D) 5
- c) Who was the prime minister of India during the demonetization of 2016?  
 A) Manmohan Singh B) Atal Vihari Bajpayee C) Narendra Modi D) HD Devegowda
- d) If RBI reduces the cash reserve ratio, what will happen to the credit creation?  
 A) There will be no impact.  
 C) It will increase.  
 B) It will decrease.  
 D) None of the above
- e) The maximum rate applicable for SGST/UTGST is.  
 A) 28 B) 14 C) 20 D) 30
- f) The latest demonetization event in India took place in  
 A) 2014 B) 2020 C) 2011 D) 2016

## B] Answer in one sentence.

4×1= 04

- a) NDTL  
 c) SLR.

- b) CRR.  
 d) Enlist Sectors of economy

## Q.2. Answer the following [Any 4]

4×3= 12

- a) Secondary sector  
 b) Explain money cycle in economy.  
 c) GST Structure.  
 d) Importance of industry in the Indian Economy  
 e) Primary sector  
 f) RBI

## Q. 3. Answer the following [Any 2]

2×4= 08

- a) Importance of agriculture in the Indian Economy  
 b) Role of RBI & monetary policy  
 c) GST council.  
 d) Tertiary sector of economy



Total No. of Questions –3]

[Total No. of Printed Pages – 01

Seat No.-

Anekanit Education Society's

**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati**  
**[Autonomous]**

Semester End Examination March/April 2024-25

F.Y. B. Voc. Retail Management (NEP-2020) (Pattern 2023)

**(RTM-151-MJM) Principles of Management (Sem.-II)**

[Max. Marks-30]

Time- 1.00 Hours]

Instructions: - i) All questions are compulsory.  
ii) Figures to the right indicate full marks.

4×1= 04

**Q.1. A] Fill in the Blanks.**

- a) -----is the first function of Management.  
a. Directing b. Staffing c. Planning d. Finance
- b) Management is art of getting -----together to accomplish objective.  
a. People b. Machinery c. Material d. All of the above
- c) ----- is the process of estimating the relevant events of future.  
a. Forecasting b. Planning c. Directing d. Organizing
- d) Which of the following do management functions include?  
a. Directing b. Controlling c. Planning d. All of the above

3×2= 06

**B] Attempt each of the following.**

- a) Planning.  
b) Directing.  
c) Accountability.

4×3= 12

**Q.2. Attempt any four of the following.**

- a) What are the techniques use in forecasting?  
b) Max Weber Management Thought.  
c) Importance of Planning.  
d) Elements of direction  
e) Organization Structures.  
f) Difficulties in delegation of authority.

2×4= 08

**Q. 3. Attempt any two of the following.**

- a) Define planning and its nature.  
b) What are the key steps in the management process?  
c) Role of Manager.  
d) Importance of Direction.

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Exam Seat No:

Total No. of Questions – 3]

[Total No. of Printed Pages – 1

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati  
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Affiliated to Savitribai Phule Pune University, Pune  
Class - F.Y. B. Voc Retail Management (NEP2020) (Pattern 2023)

Subject – (RTM-152-MJM) Marketing Management  
(Semester II) Examination

Time – Allowed 1.00 Hour]

(No. of Credits 02)

[Maxi. Marks – 30

Instructions: - i) All questions are compulsory.  
ii) Figures to the right indicate full marks.

**Q. 1 A) Fill in the blanks:**

4x1= (04)

1. Marketing Management concept originated from \_\_\_\_\_ book.  
A) Adam Smith B) Philip Kotler  
C) Henry Fayol D) None of these
2. Marketing is the process which aims at \_\_\_\_\_.  
A) Production B) Profit Making  
C) The Satisfaction of customer needs D) Selling products
3. Packaging is important not only for protection of the product but also serves as \_\_\_\_\_.  
A) Quality Product B) Complex Graphics  
C) Promotion Tool D) Promotion Budget
4. Want for a specific product backed by an ability to pay is called \_\_\_\_\_.  
A) Demand B) Need  
C) Want D) Customer

**B) Write the answer in one sentence:**

3x2= (06)

1. Define Marketing Management.
2. Write the definition of Market Segmentation.
3. Define the concept Market Environment.

**Q.2 Attempt any four of the following:**

4x3 = (12)

1. Scope of Marketing.
2. Micro Environment.
3. Product Life Cycle.
4. Marketing Mix.
4. Limitations of New Product Development.
5. Tips for effective Market Research.
6. Importance of Market Segmentation.

**Q. 3 Attempt any two of the following:**

2x4 =(08)

1. Importance of Marketing Management.
2. Core Marketing Concepts.
3. Market Segmentation Process.
4. In the face of growing competition in the food delivery industry, how can Zomato continue to use data for innovative marketing strategies.

\*\*\*\*\*



Total No. of Questions -3]

[Total No. of Printed Pages - 01

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Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati**  
[Empowered Autonomous]

Affiliated to Savitribai Phule Pune University, Pune  
F.Y. B. Voc. Retail Management (NEP-2020)

(RTM-176-SEC) Managerial Economics (Sem.-II) (NEP Pattern 2023)  
Semester End Examination

[Max. Marks-30

Time- 1.00 Hours]

Instructions: - i) All questions are compulsory.  
ii) Figures to the right indicate full marks.

4×1= 04

**Q.1. A] Answer in one sentence**

- a) Examples of Oligopoly
- b) Examples of Duopoly
- c) Examples of Perfect competition
- d) Examples of Monopoly

3×2= 06

**B] Answer the Following.**

- a) Third-Degree Price Discrimination
- b) Time-based pricing
- c) Sectors of Economy

4×3= 12

**Q.2. Answer the following [Any 4]**

- a) Perfect competition.
- b) Differentiate between Monopoly & Oligopoly.
- c) Versioning
- d) Oligopoly
- e) First-Degree Price Discrimination
- f) Features of Duopoly

2×4= 08

**Q. 3. Answer the following [Any 2 ]**

- a) Scope of managerial economics
- b) Features of Monopoly
- c) Characteristics Monopolistic competition
- d) Price Discrimination



Exam. Seat No. 

Total No. of Pages : 1

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Anekant Education Society's  
 Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
 (Autonomous)  
 Affiliated to Savitribai Phule Pune University, Pune  
 Class: FY B.Voc  
 Subject: Food Processing & Post Harvest Technology  
 Semester I  
 Course Code: FTR-101 Course Title: Food Preservation Technology  
 (NEP Pattern)

Time: 01.30 Hours

(No. of Credits 02)

Max. Marks: 30

**Instructions to the candidates:**

- i. All questions are compulsory.
- ii. Draw a neat and labelled diagram wherever necessary.

Q1. (A) Attempt **each** of the following (1 Marks each)  
 (i) \_\_\_\_\_ is the preservation of food by using natural or controlled microbiota or antimicrobials

- (ii) \_\_\_\_\_ acid is primary component of vinegar.
- (iii) Enlist any four chemical preservatives.
- (iv) \_\_\_\_\_ is any substance that prevent/retard deterioration when added to food.

(B) Attempt **each** of the following (2 Marks each)  
 (i) Define Food  
 (ii) What is Hurdle Technology?  
 (iii) Define Fermentation

Q2. Attempt any **four** of the following (3 Marks each)  
 (i) Write short note on Salt as a preservative  
 (ii) What are pickles?  
 (iii) Explain blanching of fruits and vegetables  
 (iv) Write in detail pasteurization.  
 (v) Explain any two chemical preservatives.  
 (vi) Describe factors affecting action of preservatives

Q3. Attempt any **two** of the following (4 Marks each)  
 (i) Give a brief account on Canning  
 (ii) What is Food Irradiation?  
 (iii) Explain types of Sterilization  
 (iv) Write in detail any two traditional methods of Food Preservation



Exam Seat No.

Total No. of Questions: 3

Total No. of Pages: 1

Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
(Autonomous)

Affiliated to Savitribai Phule Pune University, Pune  
Class: FY B.Voc

Subject: Food Processing & Post Harvest Technology  
Semester I

Course Code: FTR-102, Course Title: Food Science  
(NEP Pattern)

(No. of Credits 02)

Max. Marks: 30

Time: 1.00 Hour

**Instructions to the candidates:**

- i. All questions are compulsory.
- ii. Draw neat and labelled diagram wherever necessary.

(1 Marks each)

**Q. 1(A) Attempt each of the following**

- (i) Body building and growth is a ..... function of food.
- (ii) Sharing the food with others is .....function of food.
- (iii)The percentage of endosperm, germ & bran of cereal are 83, 2½ &.....respectively.
- (iv) Define the food

(2 Marks each)

**Q. 1(B) Answer each of the following**

- (i) Write the name of the five cereals and five pulses
- (ii) Describe the objectives of the cooking
- (iii) Classify food into Four Food groups?

**Q. 2 Answer any four of the following**

(3 Marks each)

- (i) Define food Science, Food Technology, Food Additives and Fermented Food?
- (ii) Classify the nuts and write the uses of the Nuts.
- (iii)Write notes on Composition and nutritional values of the cereals.
- (iv)Describe the physiological function of the foods.
- (v) Classify the vegetables on the use of different plant organs and types of nutrients.
- (vi)Describe textured vegetable protein along with advantages.

**Q. 3 Attempt any two of the following**

(4 Marks each)

- (i) Classify the fruits and write Component of fruits. Write in short Colour pigments and flavouring compounds.
- (ii) Classify spices on the basis of origin and active principle. Explain any two major spices.
- (iii)Write note on composition and nutritional values of the cereals?
- (iv)Describe the antinutritional substance of the pulses.

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Total No. of Questions: 3

Exam. Seat No.

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Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)

Affiliated to Savitribai Phule Pune University, Pune

Class- F.Y. B.Voc

Subject: - Food Processing & Post Harvest Technology

Semester: - I

Course Code: FTR-121 VSC, Course Title- Food Microbiology  
(NEP Pattern)

Time: One Hour

(No. of Credits 02)

Max. Marks: 30

Instructions to the candidates:

- i. All questions are compulsory.
- ii. Draw neat and labelled diagrams wherever necessary.

Q1. (A) Attempt each of the following

- (i) Gray mold rot, caused by species of \_\_\_\_\_ (1Mark each)
- (ii) \_\_\_\_\_ are the universal protein synthesizing units of all cells
- (iii) Virology is the study of \_\_\_\_\_
- (iv) \_\_\_\_\_ developed Gram staining of bacterial cells

(B) Attempt each of the following

- (i) Define spoilage? Enlist its types (2 Marks each)
- (ii) Enlist any four disease occurs in fruits and vegetables
- (iii) What are prokaryotic and Eukaryotic cell?

Q2. Attempt any four of the following

- (i) Write Classification & Nomenclature for Microorganism (3 Marks each)
- (ii) What is Thermal Death Time?
- (iii) Write a note on Yeast
- (iv) Explain in detail Spoilage of Cream
- (v) Write in detail Bacterial spoilage of meat under aerobic condition
- (vi) Write a note on Z-Value

Q3. Attempt any two of the following

- (i) Describe Extrinsic factors affecting the growth of microorganism (4 Marks each)
- (ii) Write a note on Prokaryotic cell
- (iii) Explain Bacterial Growth curve of microorganism
- (iv) Give brief account on spoilage in Milk and Milk products



Exam Seat No.

Total No. of Pages: 1

Total No. of Questions: 3

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)

Affiliated to Savitribai Phule Pune University, Pune  
Class- F.Y. B.Voc

Subject: - Food Processing & Post Harvest Technology  
Semester: - I

Course Code: FTR-137-IKS, Course Title- History of Indian Foods  
(NEP Pattern)

Time: 01.30 Hours

(No. of Credits 02)

Max. Marks: 30

Instructions to the candidates: (If any)

- i. All questions are compulsory.
- ii. Draw a neat labeled diagrams wherever necessary.

**Q1. (A) Attempt each of the following**

(1 Marks each)

- (i) The pulses contain \_\_\_\_\_ % of protein.
- (ii) Define satvik food.
- (iii) Define cooking.
- (iv) \_\_\_\_\_ are the metric units used for determination of volume of food material.

**(B) Attempt each of the following**

(2 Marks each)

- (i) Write down the name of spices used for food preparation.
- (ii) Define Tamsic. Give its example
- (iii) What is moist heat cooking?

**Q2. Attempt any four of the following**

(3 Marks each)

- (i) Short note on Indian cuisine
- (ii) Explain grains.
- (iii) Classify Indian food on the basis of taste.
- (iv) Functions of food.
- (v) Describe people
- (vi) Classify food based on the nature.

**Q3. Attempt any two of the following**

(4 Marks each)

- (i) Fruits and vegetable
- (ii) History of retort technology
- (iii) History of canning
- (iv) Combination of dry & moist heat cooking

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Exam. Seat No.

Total No. of Pages: 1

Total No. of Questions: 3

Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
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Affiliated to Savitribai Phule Pune University, Pune  
Class: FY B.Voc

Subject: Food Processing & Post Harvest Technology  
Semester II

FTR-151-MJM: Nutrition Science  
(2023 NEP Pattern)

(No. of Credits 02)

Max. Marks:30

Time: One Hours

**Instructions to the candidates:**

- i. All questions are compulsory.
- ii. Draw neat and labelled diagram wherever necessary.

**Q. 1 (A) Attempt each of the following.** (1 Marks Each)

- (i) Glucose is an aldohexose while fructose is a .....
- (ii) The carbohydrates with a single sugar unit are called .....
- (iii) Haemoglobin is an example of the ..... protein.
- (iv) Oils provide ..... times more energy than protein and carbohydrates.

**Q. 1 (B) Answer each of the following.** (2 Marks Each)

- (i) Write structural formula of two amino acids
- (ii) Write structural formula of glucose and fructose.
- (iii) Write composition of protein

**Q. 2 Answer any four of the following.** (03 Marks each)

- (i) Define nutrition, malnutrition, health and simple lipids?
- (ii) Write notes on Body Mass Index (BMI)
- (iii) Explain the Food Guide pyramid.
- (iv) Write the structural formula of Amylose and Amylopectin.
- (v) Write the types of simple protein with their examples.
- (vi) Explain the classification of carbohydrate.

**Q. 3 Attempt any two of the following.** (04 Marks each)

- (i) What are the roles of carbohydrate in the body metabolism in terms of Chemical Composition, classification, digestion, function, deficiency systems and sources.
- (ii) What is the protein energy Malnutrition? Explain causes and types of malnutrition in detail.
- (iii) Classify the lipids with example?
- (iv) A Non vegetarian meal provides 20g protein, 10g fat, and 125g carbohydrates of which 5 g is fibre. Calculate the calories provided by this meal.



Total No. of Questions: 3

Total No. of Pages: 1

**Anekant Education Society's**  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
**(Autonomous)**

**Affiliated to Savitribai Phule Pune University, Pune**

**F.Y. B. Voc**

**Semester: - II**

**Subject: - Food Processing & Post Harvest Technology**

**FTR-152- MJM- Bakery Technology**

**(2023 NEP Pattern)**

**(No. of Credits 02)**

**Time: One Hours****Max. Marks: 30****Instructions to the candidates: (If any)**

- i. *All questions are compulsory.*
- ii. *Draw a neat labeled diagrams wherever necessary*

Q1. (A) Attempt **each** of the following

(1 Marks each)

- (i) Baking soda is known as \_\_\_\_\_.
- (ii) Wheat contains \_\_\_\_\_ of endosperm.
- (iii) Scutellum is rich in \_\_\_\_\_.
- (iv) Bakers Confectionery also called \_\_\_\_\_.

(B) Attempt **each** of the following

(2 Marks each)

- (i) Give a scientific name of wheat.
- (ii) Enlist Types of Crackers.
- (iii) Enlist any four Minor Ingredients.

Q 2. Attempt any **four** of the following

(3 Marks each)

- (i) Write in detail Types of Flour
- (ii) Explain in detail Glucose syrup or Corn syrup
- (iii) Write in about Factors affecting Gelation
- (iv) Write a note on Fudge
- (v) Describe Types of Pastry
- (vi) Types of Starch

Q 3. Attempt any **two** of the following

(4 Marks each)

- (i) Explain in detail classification of wheat.
- (ii) Describe Major Ingredients.
- (iii) Give a brief account on Cocoa Processing.
- (iv) Write in detail Sugarcane Manufacturing process.

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Exam. Seat No.

Total No. of Questions: 3

Total No. of Pages: 1

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
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Affiliated to Savitribai Phule Pune University, Pune  
F.Y. B.Voc

Subject: - Food Processing & Post-Harvest Technology  
Semester: - II

FTR-153-MJM- Fermentation Technology  
(2023 NEP Pattern)

Time: One Hours

(No. of Credits 02)

Max. Marks:30

Instructions to the candidates: (If any)

- i. All questions are compulsory.
- ii. Draw a neat labeled diagrams wherever necessary

Q1. (A) Attempt **each** of the following. (1 Marks each)

- (i) The fermentation process was invented by \_\_\_\_\_
- (ii) The time taken for a bacterial cell to double is called as \_\_\_\_\_
- (iii) The aeration is also called as \_\_\_\_\_
- (iv) The kombucha is made by using \_\_\_\_\_ leaves.

(B) Attempt **each** of the following. (2 Marks each)

- (i) Define yoghurt.
- (ii) Write name of any four fermented product.
- (iii) Enlist any four microbes used in fermentation.

Q2. Attempt any **four** of the following. (3 Marks each)

- (i) Describe the miso processing.
- (ii) Explain the acetic acid fermentation.
- (iii) Draw the diagram of downstream processing.
- (iv) Differentiate between batch & Continuous fermentation
- (v) Write a note on aeration.
- (vi) Describe beer processing.

Q3. Attempt any **two** of the following. (4 Marks each)

- (i) Give a brief account on chesse processing.
- (ii) Write in detail about the application of fermentation technology.
- (iii) Describe the design of fermenter
- (iv) Explain the submerged fermentation in detail.

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Total No. of Questions – 5]

[Total No. of Printed Pages – 2

Seat No:

**Anekant Education Society's**  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati**  
**Semester-I Examination**

**Class - F.Y.B.Voc Retail Management (Pattern-2022) (Backlog)**

**Subject – (UBRM112) Principles of Management – I**

Time – Allowed 2 Hours]

[Maxi. Marks – 50

Instructions: - i) All questions are compulsory.

ii) Figures to the right indicate full marks.

**Q. 1 A) Fill in the blanks:**

(08)

- 1) Best alternative is more associated with \_\_\_\_\_.  
 a) Decision-making b) order c) Result d) Group
- 2) \_\_\_\_\_ means one plan, one boss.  
 b) Unity of direction b) Unity of command c) Responsibility d) None of these
- 3) Which of the following is not an internal source of recruitment?  
 a) Advertising b) Recruitment c) Selection d) Placement
- 4) Plan includes \_\_\_\_\_.  
 b) Policies b) Rules c) Budget d) All of these
- 5) Leadership is a \_\_\_\_\_ quality.  
 a) Sense b) Personal c) Group d) Decision
- 6) Which of the following is not a process of selection?  
 a) Planning b) Placement c) Separation d) Initiate action
- 7) Process of attracting qualified person to apply for the jobs that are open is refer to as  
 a) Training b) Recruitment c) HR d) None of these
- 8) \_\_\_\_\_ is the learning experience that seeks relatively permanent change in an individual that will improve his ability to perform on job.  
 a) Training b) Test c) Telephonic Call d) None of these