

Open Course

(Pages : 3)

U – 2683

Reg. No. :

Name :

Fifth Semester B.A. Degree Examination, December 2024

Career Related First Degree Programme under CBCSS

Journalism and Mass Communication

Open Course

JC 1551.1 : FILM APPRECIATION

(2014 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

- I. Answer **all** questions, each in a word or a maximum of **30** words.
1. What do you mean by diegesis?
 2. What is shallow focus?
 3. What is the purpose of video transitions?
 4. In which year was the first talkie released in India?
 5. What do you mean by intellectual montage?
 6. Who directed the thriller movie 'Psycho'?
 7. What is a thriller movie?
 8. In which country the neo-realism in films originated?
 9. Who was Dziga Vertov?
 10. Who directed the movie 'Chemmeen'?

(10 × 1 = 10 Marks)

P.T.O.

II. Write short notes, each not exceeding **60** words, on **any eight** of the following.

11. Lumiere brothers
12. Edwin S Potter
13. Dolby atmos
14. Production controller
15. Low angle shot
16. Tilt and Pan movements
17. Digital intermediate
18. Soviet Montage theory
19. Orson Welles
20. Rocketry : The Nambi Effect
21. Odessa Collective
22. Elippathayam

(8 × 2 = 16 Marks)

III. Write short essays, each not exceeding **120** words, on **any six** of the following.

23. Write a note on Shyam Benegal.
24. Describe the characteristics of French New-wave films.
25. What are the features of documentary films?
26. Discuss about the technological specialties of Hollywood movies.
27. Write a note on the post-production phase of a film.
28. Discuss the early talkies in India.
29. Explain the ethical aspects of cinema.
30. Discuss about the film society movements in India.
31. Discuss about the significance of lighting in cinema.

(6 × 4 = 24 Marks)

IV. Write long essays on **any two** of the following.

32. Attempt an essay on the significance of mise-en-scene in cinema.
33. Discuss how a film is made through the various stages.
34. Attempt an essay on the major contributions of satyajit ray
35. Discuss the different editing methods with suitable examples.

(2 × 15 = 30 Marks)

Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2024

First Degree Programme under CBCSS

Statistics

Open Course

ST 1551.4 : OFFICIAL STATISTICS

(2022 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Very short answer type questions (One word to maximum of 2 sentences). Answer all questions. Each question carries 1 mark

1. Expand NSSO
2. In which year the National Sample Survey was initiated in India
3. Name the apex level body of statistical system in the state
4. What is quantity relative?
5. Write down the formula for simple aggregate index number.
6. Which index number is known as the ideal index number?
7. Write down one limitation of index numbers
8. Define time series

P.T.O.

9. Write an example for seasonal variation
10. What is centering in method of moving average?

(10 × 1 = 10 Marks)

SECTION – B

Short answer type questions (Not to exceed **one** paragraph). Answer any **eight** questions. Each question carries **2** marks.

11. What are the three components of the Statistics Wing of the Ministry of Statistics and Programme Implementation (MoSPI)?
12. What are the publications of CSO?
13. What are the main duties of Directorate of Economics and Statistics in state?
14. Define index numbers.
15. Differentiate between price relative and link relative.
16. What are the precautions should be taken when selecting a base period for constructing an index number?
17. Distinguish between Laspeyre's and Paasche's index numbers
18. Define consumer price index numbers
19. Distinguish between linear and non-linear trends
20. What do you meant by irregular variations in time series?
21. Write down the limitations of freehand curve method for measuring trend.
22. What are the various growth curves used in identifying trends?

(8 × 2 = 16 Marks)

SECTION – C

Short essay questions (Not to exceed **120** words). Answer any **six** questions. Each question carries **4** marks.

23. Explain the functions of NSSO
24. Discuss the the responsibilities of CSO
25. Explain the uses and applications of index numbers
26. Explain time reversal test show that Laspeyre's index number does not satisfy this test.
27. Discuss the main steps in the construction of consumer price index numbers
28. What are the utilities of time series analysis?
29. Explain the additive, multiplicative and mixed models in time series.
30. Discuss the semi average method for estimating trend and state its merits and demerits
31. Explain ratio to trend method with its procedure

(6 × 4 = 24 Marks)

SECTION – D

Long essay questions. Answer any **two** questions. Each question carries **15** marks.

32. Discuss the roles and functions of the Ministry of Statistics and Programme Implementation in the statistical system of India

33. Discuss the key steps involved in constructing index numbers
34. Compute Laspeyre's, Paache's and Fisher's price index numbers for the following data

Commodity	1980	1980	1985	1985
	Price	Quantity	Price	Quantity
A	4	20	4	24
B	8	12	12	12
C	20	60	24	50
D	16	80	24	60
E	12	100	20	90

35. Fit a straight line trend by the method of least squares and estimate the production for the year 1996, based on the following data

Year	1991	1992	1993	1994	1995
Production	20	60	80	120	160

(2 × 15 = 30 Marks)

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Reg. No. :

Name :

Fifth Semester B.A./B.Sc./B.Com. Degree Examination, December 2024

First Degree Programme under CBCSS

Mathematics / Economics and Mathematics

Open Course

MM 1551.3/MEC 1551.3 : BASIC MATHEMATICS

(MM 1551.3 – 2018 Admission Onwards/MEC 1551.3 – 2020 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions, each question carries **1** mark.

1. Evaluate $(9 \times 3 \div 9 + 1) \times 3$
2. Find the place value of 6 in 497612.
3. Define improper fraction.
4. State the divisibility rule for dividing by 5.
5. Write the missing number in the box.

$$\frac{9}{5} = 1 \frac{\square}{5}$$

6. Write $\frac{5}{6}$ as decimal.
7. What is AAA similarity criterion?
8. Find the equivalent fraction of $11\frac{1}{2}\%$.

P.T.O.

9. Find the mode of
21, 19, 62, 21, 66, 28, 66, 48, 79, 59, 28, 62, 63, 63, 48, 66, 59, 66, 94, 79, 19, 94
10. Find the median for the given data :
90, 94, 53, 68, 79, 94, 53, 65, 87, 90, 70, 69, 65, 89, 85, 53, 47, 61, 27, 80

(10 × 1 = 10 Marks)

II. Answer any **eight** questions, each question carries **2** marks.

11. Find the mean of the first 10 odd integers.
12. Find the value of $7^2 \times 5^2$.
13. Convert into improper fraction : $5\frac{3}{5}$, $7\frac{4}{9}$
14. Find the prime factorization of 284.
15. Check whether the fraction $7/3$ is equivalent to $16/6$.
16. Find two equivalent fractions of $3/5$.
17. Find $\frac{32}{7} - 4\frac{1}{7}$.
18. Simplify : $(2 - 1/5)^2$.
19. Convert 0.4% into a fraction.
20. Solve : $x^2 - 2x - 15 = 0$.
21. Compute $A - B$ if $A = \begin{bmatrix} 1 & 0 \\ -1 & 3 \\ 0 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & 2 \\ -1 & 5 \\ 2 & 4 \end{bmatrix}$.
22. Which of the following fraction is smaller : $2/4$ or $5/12$?

(8 × 2 = 16 Marks)

III. Answer any **six** questions, each carries **4** marks.

23. Find the LCM of

(a) 11, 22

(b) 14, 12

Evaluate :

24. (a) $3\frac{1}{5} \times 4\frac{2}{7}$

(b) $1\frac{1}{5} \div \frac{3}{5}$

25. (a) $\sqrt{2.56}$

(b) $(3.1)^3$

26. Round the following repeated decimal to 100th place

(a) $15.\overline{15}$

(b) $4.\overline{62}$

27. Construct a histogram for the following frequency distribution :

Class interval Age (Years) 5-10 10-15 15-20 20-25

Frequency 11 22 6 4

28. Find $A+B$ and $A-B$ if $A = \begin{bmatrix} 1 & 2 & 3 \\ -1 & -6 & 5 \\ 0 & 3 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 3 & 0 & 3 \\ 0 & 2 & -5 \\ 2 & 3 & -2 \end{bmatrix}$.

29. Find $A \cdot B$ if $A = \begin{bmatrix} 5 & 4 & 0 \\ 1 & 3 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 5 & 1 \\ 0 & 3 \\ 2 & 6 \end{bmatrix}$.

30. Solve the system $3x + 2y = 5$, $-2x + 4y = 2$.

31. Check whether $A \cdot B$ and $B \cdot A$ are same when $A = \begin{bmatrix} 1 & 2 & 3 \end{bmatrix}$, $B = \begin{bmatrix} 0 \\ 3 \\ 2 \end{bmatrix}$.

(6 × 4 = 24 Marks)

IV. Answer any **two** questions, each carries **15** marks.

32. Simplify the following expressions :

(a) $5.[4.(3+2)^2] - 100$

(b) $3.[20 - (5+2) + (4-2)^3]$

(c) $4.[18 - (2+1)^2 + 2^3]$

33. Solve the following proportions :

(a) $5 = \frac{x}{2/3}$

(b) $\frac{2.5}{x} = \frac{5}{2}$

(c) $\frac{2/3}{2.75} = \frac{x}{16}$

(d) $\frac{3}{2} = \frac{x}{2/3}$

(e) $\frac{3/8}{2.75} = \frac{x}{72}$

34. A fruit basket is filled with 36% Apples, 29% Bananas, 9% Mangoes, 7% Pineapples and 19% Grapes. Prepare a circle graph chart as per the data provided.

35. Solve the system of equations using matrices.

$$2x + y - z = 3$$

$$x - y + z = 3$$

$$4x + y - z = 7$$

(2 × 15 = 30 Marks)

Reg. No. :

Name :

Fifth Semester B.A./B.Sc./B.Com. Degree Examination, December 2024

First Degree Programme under CBCSS

Physical Education

Open Course

PE 1551 : HEALTH AND FITNESS EDUCATION

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

PART – A

Answer **all** questions. **Each** question carries 1 mark.

1. Who is known as the 'Father of Yoga'?
2. What are the key considerations when prescribing exercises for pregnant women?
3. List out first aid measures for treating burns.
4. What is Body Mass Index (BMI), and how is it calculated?
5. What is the difference between health and wellness?
6. Name two common deficiency diseases caused by malnutrition.
7. What are the guidelines for prescribing effective exercises for older adults to improve their strength?

P.T.O.

8. What is the definition of health according to the World Health Organization (WHO)?
9. What do you mean by "somatotypes"?
10. What is a balanced diet?

(10 × 1 = 10 Marks)

PART – B

Answer any eight. Each question carries 2 marks.

11. Write a short note on the concepts of health and physical education.
12. How can proper posture contribute to overall health and well-being?
13. What types of exercises would you recommend for improving strength and endurance?
14. How do Bhujangasana and Halasana contribute to enhancing overall wellness?
15. In what ways do socio-cultural factors impact an individual's health?
16. What types of exercises can improve flexibility and co-ordinative abilities?
17. What are the differences between aerobic and anaerobic exercises?
18. What are the factors affecting heart rate?
19. How does regular exercise influence blood pressure?
20. How do biological factors influence an individual's health?
21. What are the benefits of practicing yoga regularly?
22. What are the first aid for bleeding through the nose?

(8 × 2 = 16 Marks)

PART – C

Answer **any six**. Each question carries **4** marks.

23. Explain the concept of “Ashtanga Yoga” and discuss the significance of each of its eight limbs in achieving holistic well-being.
24. What are the “FITT” principles, and how do they guide the development of an effective exercise program?
25. Describe the role of yoga in stress management.
26. What are the appropriate first aid steps for managing sprains, fractures, and wounds?
27. Describe in detail the characteristics of different body types.
28. How do health-related physical fitness and performance-related physical fitness differ? Explain the key components of each type of fitness.
29. Explain the principles of First Aid and discuss the appropriate first aid measures for a person who is suffering from an electric shock.
30. What are the different dimensions of health? Discuss how each dimension contributes to overall well-being.
31. How does exercise affect the circulatory system?

(6 × 4 = 24 Marks)

PART – D

Answer **any two** questions. Each question carries **15** marks.

32. Discuss the common postural deformities, their causes, and the remedial measures for correcting them.
33. Discuss hypo-kinetic diseases and their causes. How can these diseases be prevented and managed through physical activity and lifestyle changes?
34. Examine the effects of exercise on the respiratory system.
35. Discuss the meaning, objectives, and importance of physical education in the context of overall health and well-being.

(2 × 15 = 30 Marks)

Reg. No. :

Name :

Fifth Semester B.Sc./B.C.A. Degree Examination, December 2024

Career Related First Degree Programme under CBCSS

Computer Science/Computer Applications/Physics and Computer Applications

Open Course

CS 1551.2/CP 1551.2/PC 1551.2 : INTERNET AND WWW

(2021 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A (Very short answer type)

(One word to maximum of one sentence. Answer **all** questions)

1. _____ is the most reliable network topology.
2. Define Intranet.
3. FTP is the short name of _____.
4. Expand www.
5. Google is a web browser. True / False.
6. Define URL.
7. UDP is connection oriented protocol. True / False.
8. Expand SMTP.

P.T.O.

9. Define Web Server.
10. IIS stands for _____.

(10 × 1 = 10 Marks)

SECTION – B (Short answer)

(Not to exceed one paragraph)

Answer any **eight** questions. Each question carries **2** marks.

11. Define the term network.
12. What do you mean by dial up connection?
13. What are internet tools?
14. Write a short note on hyper text.
15. Write the role of web browser.
16. Define meta search engine.
17. What do you mean by URI?
18. List the layers of TCP/IP Model
19. How can we exit from email?
20. Write a note on apache web server.
21. Define the term network security.
22. What do you mean by IIS?

(8 × 2 = 16 Marks)

SECTION – C (Short Essay)

(Not to exceed **120** words, answer any **six** questions. Each question carries **4** marks)

23. Differentiate BUS and Mesh Topology.
24. Discuss in detail about advantages of Extranet.
25. Write a note on Telnet.
26. Explain about Book marks.
27. Describe Search generalization in detail.
28. Explain working of email.
29. Write in detail about chat rooms.
30. Describe Personal Web Server in detail.
31. How can we identify network stations? Explain.

(6 × 4 = 24 Marks)

SECTION – D (Long Essay)

(Answer any **two** questions. Each question carries **15** marks)

32. Describe in detail about Internet Addresses.
33. Discuss the working and features of search engine.
34. Write a detailed note on OSI Reference Model.
35. List and explain about any five Internet Security Threats.

(2 × 15 = 30 Marks)

Reg. No. :

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Fifth Semester B.A./B.Sc./B.Com. Degree Examination, December 2024

First Degree Programme under CBCSS

English

Open Course

EN 1551.1 — COMMUNICATIVE APPLICATIONS IN ENGLISH

(2020 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

- I. Answer **all** questions, each in a word or sentence.
1. Give an example of a sentence with correct gender and number agreement.
 2. Give an example of non-verbal communication used during an interview.
 3. What is a formal letter?
 4. What do you understand by the term 'idiom'? Give an example.
 5. What is a CV (Curriculum Vitae)?
 6. Write a synonym for 'affluent'
 7. Find an antonym for the word 'obscure'.
 8. Give two examples of spelling differences in British and American English.
 9. What is active reading?
 10. Name one speech sound in English for which the exact similar word cannot be found in Malayalam.

(10 × 1 = 10 Marks)

P.T.O.

II. Answer **any eight**, each in a short paragraph not exceeding **50** words.

11. 'She don't play tennis'- make corrections, if any, in this sentence.
12. Explain the netiquettes to be followed while drafting emails.
13. Discuss how to handle controversial topics in a group discussion.
14. Discuss the importance of eye contact and facial expressions in a successful interview.
15. What is the use of articles in the English language?
16. What are the various non-verbal factors in communication?
17. What is meant by connotation? Explain using an example.
18. Give examples of one or two English words that are usually mispronounced by Malayalis.
19. Describe a memorable experience from your time at college.
20. What are the key elements of a group discussion?
21. Why is it important to have a good understanding of dictionary usage?
22. What are soft skills, and why are they important in communication?

(8 × 2 = 16 Marks)

III. Answer **any six**, each in a paragraph not exceeding **100** words.

23. Write a letter to your principal requesting permission to organize a cultural event at your college.
24. Write a paragraph on preparing a 5-minute presentation on a topic of your choice.
25. What are the various types of interview questions?
26. What is the difference between a dialect and a slang? Give examples.

27. How does the influence of one's mother tongue affect language learning and pronunciation?
28. Write an e-mail to your tutor apologizing for the delay in project submission.
29. Explain the meaning of 'profanity' and 'pejorative' with suitable examples.
30. Describe Gender Agreement, Number Agreement and Subject-Verb Agreement with examples.
31. As a citizen journalist, write a report on the current condition of the roads in your district.

(6 × 4 = 24 Marks)

IV. Answer **any two**, each in about **300** words.

32. Prepare a CV or resume and a covering letter to apply for the post of Assistant Professor of English in a college.
33. How would you describe a group discussion you recently conducted on a current news story? Please include details about the news topic, key points raised by participants and any conclusions or insights gained from the discussion.
34. How can overcoming inhibitions in speaking English positively impact one's communication skills in both personal and professional life? Discuss effective strategies for building confidence and fluency in English communication.
35. Write a review of a movie that has profoundly influenced your personal growth or changed your perspective on life.

(2 × 15 = 30 Marks)

Reg. No. :

Name :

Fifth Semester B.Com. Degree Examination, December 2024

First Degree Programme under CBCSS

Open Course I

**CO 1551.2/CC 1551.2/CX 1551.2/TT 1551.2 : PRINCIPLES OF
MANAGEMENT**

(2014 Admission Onwards)

**(Common for Commerce / Commerce with Computer Application/
Commerce and Tax Procedure and Practice / Commerce and Tourism
and Travel Management)**

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in **one** or **two** sentences each. Each question carries **1** mark.

1. Define administration.
2. What is unity of direction?
3. Define strategy.
4. What is policy?
5. Define organising.
6. What is centralisation?

P.T.O.

7. State the meaning of recruitment.
8. What do you mean by vestibule training?
9. State any two principles of direction.
10. Define controlling.

(10 × 1 = 10 Marks)

SECTION – B

Answer **any eight** questions in not exceeding **one** paragraph each. Each question carries **2** marks.

11. What are the functions of top level management?
12. State any four points of difference between management and administration.
13. Narrate any four features of planning.
14. What are the different types of Planning premises?
15. What is departmentation?
16. State the significance of organising.
17. State the qualities for a successful training.
18. What are the internal sources of recruitment?
19. State any four features of direction.
20. Discuss the importance of controlling.
21. What are the characteristics of decentralisation?
22. What are the principles of delegation?

(8 × 2 = 16 Marks)

SECTION – C

Answer **any six** questions in not exceeding **120** words each. Each question carries **4** marks.

23. State the significance of management.
24. 'Management is considered as a science' . Discuss.
25. What are the limitations of planning?
26. Discuss the steps in delegation.
27. Discuss the characteristics of organising.
28. What are the difference between recruitment and selection?
29. Explain the requisites for a valid selection process.
30. Discuss the importance of supervision.
31. 'Controlling has many features'. Discuss.

(6 × 4 = 24 Marks)

SECTION – D

Answer **any two** questions in not exceeding **4** pages each. Each question carries **15** marks.

32. Discuss the fourteen principles developed by Henry Fayol.
33. Define planning. Explain the process of planning.
34. Explain the various types of organising.
35. What is staffing? State its characteristics.

(2 × 15 = 30 Marks)

Reg. No. :

Name :

Fifth Semester B.Com. Degree Examination, December 2024

First Degree Programme under CBCSS

Open Course I

**CO 1551.2/CC 1551.2/CX 1551.2/TT 1551.2 : PRINCIPLES OF
MANAGEMENT**

(2014 Admission Onwards)

**(Common for Commerce / Commerce with Computer Application/
Commerce and Tax Procedure and Practice / Commerce and Tourism
and Travel Management)**

Time : 3 Hours

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SECTION – A

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P.T.O.

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