TB251158R

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (TRAVEL AND TOURISM)

T01DSCB101B24 - INTRODUCTION TO TOURISM

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Which of the following best defines an excursionist?
   a) Stays more than 24 hours in a place
   b) Does not stay overnight
   c) Migrates permanently
   d) Travels only for business [CO1,Remember]
2. Which is an example of modern tourism trends?
   a) Crusades
   b) Space tourism
   c) Slave trade
   d) Roman baths [CO1,Remember]
3. According to UNWTO, tourism involves travel outside the usual environment for not more than:
   a) 3 months
   b) 1 year
   c) 2 years
   d) 6 months

   [CO1,Remember]
4. When people travel within the same country, it is called:
   a) Domestic tourism
   b) Inbound tourism
   c) Outbound tourism
   d) International tourism [CO2,Remember]
5. Which of the following is NOT a segment of the travel industry?
   a) Airlines
   b) Travel agencies
   c) Hospitals
   d) Hotels

   [CO3,Remember]
6. Which of the following is an interpersonal motivator?
   a) Attending a yoga retreat
   b) Traveling to meet relatives abroad
   c) Visiting a heritage monument
   d) Going on a trekking expedition [CO3,Remember]
7. Status & prestige motivators include:
   a) Business travel
   b) Traveling to gain social recognition
   c) Family reunions
   d) Health treatment

   [CO3,Remember]

8. The "Swadesh Darshan" scheme is related to:
   a) Development of IT hubs
   b) Promotion of rural tourism circuits
   c) Development of thematic tourism circuits
   d) Training of guides [CO4,Remember]
9. The Golden Triangle (Delhi–Agra–Jaipur) is part of which circuit?
   a) Heritage Circuit
   b) Wildlife Circuit
   c) Desert Circuit
   d) Spiritual Circuit

   [CO4,Remember]
10. Bodh Gaya, Sarnath, and Kushinagar belong to:
   a) Heritage Circuit
   b) Coastal Circuit
   c) Buddhist Circuit
   d) Desert Circuit

   [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Explain the meaning of Mass Tourism with an example. [CO1,Understand]
12. Define the term tourist and explain why tourism is considered a temporary movement. [CO1,Understand]
13. Explain the significance of the Grand Tour in the history of tourism. [CO1,Remember]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

14. Discuss on ancillary services in tourism. [CO3,Understand]
15. Explain the difference between Net Travel Propensity and Gross Travel Propensity. [CO3,Understand]
16. Explain suppressed tourism demand with examples. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Explain the role of digitalization in promoting tourism in India. [CO4,Remember]
18. Explain the 5 T's of Brand India. [CO4,Understand]
19. Describe how does the attitude of host communities affect tourism. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. **(10x1=10)**

20. Discuss contemporary trends in Indian tourism. [CO2,Understand]
21. Discuss the five components of tourism with suitable examples. [CO2,Understand]

TB251965R

Reg. No :.....

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BACHELOR'S DEGREE (C.B.C.S) EXAMINATION,OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) OL (FRENCH)

FR1AEC01B24 - FRENCH FOR ARTS-1

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Appliquez vos connaissances:Quels sont les pronoms personnels sujets ? [CO1,Remember]
2. Traduisez les mots suivantes c)fenêtre d)stylo [CO1,Understand]
3. Appliquez vos connaissances:Quelles sont les saisons que vous connaissez ? [CO1,Remember]
4. Écrivez en nombre a) quatre-vingt- onze b) soixante-dix-neuf [CO2,Understand]
5. Répondez à la question: Écrivez 4 animaux domestiques que vous connaissez [CO2,Apply]
6. Écrivez les membres de la famille en français [CO2,Apply]
7. Choisissez l'option correcte Maxime n'habite plus ici [c'est/ il est] policier à Marseille [CO3,Understand]
8. Écrivez 2 prepositions de lieux [CO4,Apply]
9. Répondez à la question : La côte d'Azur est une région du Sud de la France. Vrai ou faux. [CO4,Apply]
10. Répondez à la question : Depuis quand la France est la première destination touristique du monde ? [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Quelles sont les phrases pour l'enseignant, pour l'étudiant et pour les deux ?
    a) Asseyez-vous !
    b) je peux aller aux toilettes ?
    c)Cherchez le mot…dans le dictionnaire.
    d) Ouvrez le livre à la plage
    e) Écoutez le dialogue [CO1,Apply]
12. Écrivez 10 couleurs [CO1,Apply]
13. Écrivez les articles indéfinis avec des exemples [CO1,Create]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Changez les phrases au féminin.
    1. un ami sincère.
    2. un élève portugais.
    3. un commerçant espagnol
    4. un artiste chinois
    5. un étudiant allemand [CO2,Understand]
15. Répondez à la question : Quelle est la date de votre anniversaire ? [CO2,Remember]

16. Écrivez ton arbre de la famille [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Repondez aux questions:Quelle heure est-il? [CO4,Apply]
    1. 3h15
    2. 12 AM
    3. 6h 45
    4. 11h 30
    5. 12PM
18. Notez 5 caractéristiques qui qualifient un véritable ami [CO4,Evaluate]
19. Notez 10 parties de votre visage [CO4,Evaluate]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (10x1=10)

20. Préparez une fiche de l'écrivain Tahar Ben Jelloun [CO3,Apply]
21. Décrivez votre ami avec l'aspect physique, le caractère de votre ami [CO3,Apply]

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Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) OL (FRENCH)

FR1AEC02B24 - FRENCH FOR SCIENCE-1

Time : 1.5 Hours | Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Répondez à la question : Où habitez-vous ? [CO1,Apply]
2. Répondez à la question : quel âge as-tu ? [CO1,Apply]
3. Répondez à la question : Quel est votre profession ? [CO1,Apply]
4. Répondez à la question : quelle est la spécialité du 14 juillet ? [CO2,Understand]
5. Écrivez les animaux extraordinaires que vous connaissez [CO2,Apply]
6. Répondez à la question : comment souhaites-tu à ton ami son anniversaire ? [CO2,Understand]
7. Répondez a la question :quelles langues parles-tu ? [CO3,Apply]
8. Appliquez votre connaissance :Qui est le président en France ? [CO4,Apply]
9. Appliquez votre connaissance :Écrivez deux fromages Appliquez en France [CO4,Apply]
10. Nommez deux personnes célèbres dans le sport en France [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Écrivez les nombres de 0-20 [CO1,Apply]
12. Écrivez le total de ces opérations en toute lettres
    a) 5x4= b) 16/2= c) 11+6= d) 14-5= e)15x2= [CO1,Apply]
13. Répondez a la question :Quels sont les objets dans votre classe ? [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Écrivez la conjugaison du verbe être [CO2,Apply]
15. Écrivez la conjugaison du verbe détester [CO2,Apply]
16. Écrivez la conjugaison du verbe habiter [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Ecrivez 5 verbes qui terminent avec -IR [CO4,Apply]
18. Ecrivez 5 verbes qui terminent avec -ER [CO4,Apply]
19. Présentez votre mère [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (10x1=10)

20. Écrivez votre activité de loisir. [CO3,Apply]

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Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) OL (FRENCH)

FR1AEC03B24 - FRENCH FOR COMMERCE-1

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Notez 4 objets dans votre classe. [CO1,Evaluate]
2. Écrivez une fonction sous directrice [CO1,Create]
3. Écrivez 2 fonctions sous le directeur dans une entreprise. [CO1,Create]
4. Répondez à la question :Que dites-vous quand quelqu'un part en vacances ? [CO2,Apply]
5. Complétez avec le/la 1.____Mexique 2._____Cambodge [CO2,Apply]
6. Complétez avec le verbe au parenthèse Nous _____(manger)souvent au restaurant. [CO2,Apply]
7. Répondez à la question : pour se présenter au téléphone vous dites_____ [CO3,Apply]
8. Répondez à la question : pour remercier vous dites_____ [CO4,Apply]
9. Répondez à la question : pour saluer et prendre congé dans un courriel un besoin vous dites à l' amical_____ [CO4,Apply]
10. Répondez à la question : pour saluer et prendre congé dans un courriel un besoin vous dites en neutre_____ [CO4,Apply]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Répondez aux questions : 1. que disons-nous pour demander l'objet de la visite
    2. pour indiquer l'objet de la visite
    3. pour demander l'orthographe
    4. pour indiquer son accord
    5.les caractères spéciaux [CO1,Apply]
12. Notez l'adresse électronique en français [CO1,Apply]
13. Complétez avec mon ou ma.
    Jai_____carte d'identité avec _____photo, passeport avec____ visa,_____portefeuille avec carte d'identité et argent.
    J 'ai aussi_____ordinateur,___camera et _____telephone [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Écrivez les conjugaisons des verbes 1.travailler 2.ecouter [CO2,Apply]
15. Montrez dans une table les adjectifs possessifs avec des exemples [CO2,Apply]
16. Écrivez les activités que vous faites dans l'avion [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Écrivez le format d'un mail [CO4,Apply]

18. Préparez une table pour saluer et prendre congé dans un courriel / mail [CO4,Apply]

19. Preparez 5 instructions à ton ami qui a un entretien demain [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Écrivez les conjugaisons des verbes 1.pouvoir 2.devoir 3.attendre 4.répondre 5.choisir [CO3,Understand]

21. Écrivez les nombres de 60 à 90 [CO3,Apply]

TB2251586C

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (COMMUNICATIVE ENGLISH)

CE1DSCA01B24 - INTRODUCTION TO COMMUNICATION

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define communication in simple terms. [CO1,Understand]
2. Explain your own words how communication barriers influence teamwork and understanding among team members. [CO2,Understand]
3. Explain in your own words why feedback is important in leadership communication. [CO2,Understand]
4. Explain the main idea of one organizational communication theory in your own words. [CO2,Understand]
5. Describe in your own words the role of public relations within media studies. [CO3,Understand]
6. Explain one criticism of the Hypodermic Needle Theory. [CO3,Understand]
7. Explain the main idea of the Two-Step Flow Theory in your own words. [CO3,Understand]
8. Explain two media message with an example. [CO4,Understand]
9. Discuss the importance to ask who created a media message. [CO4,Understand]
10. Explain one way media messages can influence public opinion with example [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

11. Discuss the importance of negotiation in resolving disputes. [CO2,Understand]
12. Explain how active listening helps in conflict resolution. [CO2,Understand]
13. Explain in your own words the main differences between cultural theory and structural theory with suitable examples. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Describe the functions of mass communication. [CO3,Analyse]
15. Analyse how biased reporting in news reflects the Agenda-Setting Theory. [CO3,Analyse]
16. Describe how media messages can reflect or exclude certain values or lifestyles. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Compare ethical and unethical media practices with real-life examples. [CO4,Analyse]
18. Describe how media messages can reflect or exclude certain values or lifestyles. [CO4,Understand]
19. Describe four types of media messages and provide real life examples. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO1. Each question carries 10 mark. **(10x1=10)**

20. Illustrate with examples how interpersonal communication skills can be used to develop and maintain long-term relationships.

[CO1,Apply]

21. Explain body language as non-verbal communication.. [CO1,Understand]

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Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MULTI-DISCIPLINARY COURSES (MDC) (COMMUNICATIVE ENGLISH)

CE1MDC01B24 - INTRODUCTION TO NEW MEDIA

Time : 1 Hours

Maximum Marks : 35

Part A

Answer any 3 questions from the bunch of CO1. Each question carries 2 mark. (2x3=6)

1. Describe media convergence. [CO1,Understand]
2. Give four examples of new media. [CO1,Understand]
3. Identify the person who proposed the concept of 'intergalactic computer network' and explain the concept. [CO1,Understand]
4. Identify any four job roles offered by new media. [CO1,Understand]

Part A

Answer any 3 questions from the bunch of CO2. Each question carries 2 mark. (2x3=6)

5. Discuss the disadvantages of having fragmented selves (multiple identities). [CO2,Understand]
6. Describe an influencer. [CO2,Understand]
7. Identify any four characteristics of a virtual community. [CO2,Understand]
8. Explain integrated journalism. [CO2,Understand]

Part A

Answer any 4 questions from the bunch of CO3. Each question carries 2 mark. (2x4=8)

9. Explain the concept of global aperture. [CO3,Understand]
10. Discuss the algorithmic influence on new media. [CO3,Understand]
11. Describe the concept of 'my media.' [CO3,Understand]
12. Describe affiliate marketing. [CO3,Understand]
13. Explain defamation. [CO3,Understand]

Part B

Answer any 1 question from the bunch of CO1. Each question carries 5 mark. (5x1=5)

14. Explain how news reporting is done for new media. [CO1,Understand]
15. Discuss the characteristics of online journalism. [CO1,Understand]

Part B

Answer any 1 question from the bunch of CO2. Each question carries 5 mark. (5x1=5)

16. Explain affinity spaces with examples. [CO2,Understand]
17. Describe the two levels of challenges (tensions) created by new media in the case of ethics. [CO2,Understand]

Part B

Answer any 1 question from the bunch of CO3. Each question carries 5 mark. (5x1=5)

18. Describe the various methods to do online publicity. [CO3,Understand]
19. Explain the characteristics of the new business model involving new media. [CO3,Understand]

TB251774Z

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (COMMUNICATIVE ENGLISH)

CE1DSCB201B24 - INTRODUCTION TO COMMUNICATION

Time : 1.5 Hours | Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Identify one style of communication. [CO1,Understand]
2. Identify two functions of communication. [CO1,Understand]
3. Define communication in simple terms. [CO1,Understand]
4. Differentiate between formal and informal meetings. [CO2,Understand]
5. Explain leadership communication. [CO2,Understand]
6. Summarize the role of negotiation in conflict resolution. [CO2,Understand]
7. Identify two example of mediated communication. [CO3,Understand]
8. Describe Agenda-Setting Theory. [CO3,Understand]
9. Identify the main purpose of advertising. [CO3,Understand]
10. Explain four principles of media ethics. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Explain the importance of internal and external communication. [CO1,Understand]
12. Discuss how communication functions to motivate employees. [CO1,Understand]
13. Compare verbal and non-verbal communication with examples. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain how active listening helps in conflict resolution. [CO2,Understand]
15. Compare effective and ineffective team communication. [CO2,Understand]
16. Explain how communication helps leaders motivate employees. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Explain the importance of independence in journalism with an example. [CO3,Understand]
18. Describe the Spiral of Silence Theory with a classroom or social media example. [CO3,Understand]
19. Compare the representation of gender roles in two different advertisements. [CO3,Analyse]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Analyze a recent media message using all five core questions of media literacy. [CO4,Analyse]
21. Critically evaluate a media ethics violation case and suggest what should have been done. [CO4,Evaluate]

TB25151ST

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (BHARATHANATYAM)

BH1DSCA01B24 - INTRODUCTION TO DANCE STUDIES

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. The dance form Bharatanatyam is performed primarily with the accompaniment of which musical instrument. [CO1,Remember]
2. Name the fifth avathar of Lourd Vishnu in Desavataram. [CO1,Remember]
3. Identify the avatar of lord Vishnu who killed kamsa. [CO1,Remember]
4. Name the founder of Kerala Kalamandalam. [CO2,Remember]
5. Write the names of any two instruments played for Mohiniyattam? [CO2,Apply]
6. Name the different bani's of Bharatanatyam. [CO2,Remember]
7. Name the inventor of Natyagraha according to Natyashastra. [CO3,Remember]
8. State how many Drishtibhedas are mentioned in Abhinayadharpana and write their names. [CO4,Remember]
9. Identify the number Upanga's in Abhinayadharpana? [CO4,Remember]
10. Choose the total number Asamyukta Hasthas that are mention in Abhinayadarpana? [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Explain any two dance patterns in Bharatanatyam. [CO1,Understand]
12. Summarize the story of Matsya avataram. [CO1,Understand]
13. Summarize the story 'Gajendramoksham'. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Write a short essay on any two famous dance legends in Bharatanatyam. [CO2,Apply]
15. Write a brief note on various styles and exponents in Bharatanatyam. [CO2,Apply]
16. Write about any two dance legends in Mohiniyattam. [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Describe Natyotpatti from Abhinayadarpana. [CO4,Understand]
18. Write Rangadhi devata stuti and its meaning. [CO4,Apply]
19. Differentiate both inner and outer aspects of the life of a dancer. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (10x1=10)

20. Prepare an essay on 'origin of Natya' according to Natyashastra. [CO3,Apply]

21 Discuss the purpose of calling natya the fifth veda [CO3,Understand]

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Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (COMMERCE)

CO1DSCB101B24 - Basic Finance for Daily Life

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Explain Savings. [CO1,Understand]
2. Examine Financial Literacy [CO1,Understand]
3. Define Financial Education. [CO1,Understand]
4. Describe Annuities [CO2,Understand]
5. Compute the Principal value if Rs.360 received as interest over 2 years at simple interest rate of 6% per annum [CO2,Understand]
6. Compute the simple interest earned by Ravi if he invests ₹5000 at an annual interest rate of 4% for 3 years. [CO2,Apply]
7. Describe Money at Call and Short notice [CO3,Understand]
8. Define the terms Insurer and Insured [CO3,Understand]
9. Discuss the concept of Simple interest [CO3,Understand]
10. Discuss the term Credit Behaviour. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Mention the importance of financial literacy. [CO1,Understand]
12. State the contents of financial education. [CO1,Understand]
13. Differentiate public finance and private finance. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Enumerate the features of Treasury Bills [CO2,Understand]
15. Calculate the EMI using the flat rate method for the following cases: a) Principal ₹3,00,000, annual interest rate of 10%, tenure of 3 years b) Principal ₹2,00,000, annual interest rate of 8%, tenure of 2 years [CO2,Apply]
16. Compute the future value of an amount of Rs.1,00,000 borrowed at 12% for two years under : a)Simple interest b) Compound interest [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Explain all the paramenters the investors should consider while choosing an investment programme [CO3,Understand]
18. Distinguish between insurance and investment [CO3,Understand]
19. Discuss Equity shares and Preference shares [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Explain the various types of Financial behaviour. [CO4,Understand]

21. Discuss the role of Impulsivity in Expenditure and Savings [CO4,Understand]

TB251311C

Reg. No :.....

Name :.....

BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MULTI-DISCIPLINARY COURSES (MDC) (COMMERCE)

CO1MDC01B24 - Business Organisation and Entrepreneurship

Time : 1 Hours

Maximum Marks : 35

Part A

Answer any 3 questions from the bunch of CO1. Each question carries 2 mark. (2x3=6)

1. Distinguish between marketing and adversting. [CO1,Understand]
2. Describe a joint stock company. [CO1,Understand]
3. Define Business. [CO1,Remember]
4. Illustrate any two real business examples for acquisitions. [CO1,Understand]

Part A

Answer any 3 questions from the bunch of CO2. Each question carries 2 mark. (2x3=6)

5. Describe EDI. [CO2,Understand]
6. Cite the location based outsourcing models. [CO2,Understand]
7. Cite the technological innovations in business. [CO2,Understand]
8. Explain Distribution Franchise. [CO2,Understand]

Part A

Answer any 4 questions from the bunch of CO3. Each question carries 2 mark. (2x4=8)

9. Describe the classification of entrepreneurs based on use of technology. [CO3,Understand]
10. List out the factors affecting entrepreneurial growth. [CO3,Understand]
11. Discuss the most important components of a business plan. [CO3,Understand]
12. Explain the skills required by an entrepreneur. [CO3,Understand]
13. Describe the functions to be performed by an entrepreneur. [CO3,Understand]

Part B

Answer any 1 question from the bunch of CO1. Each question carries 5 mark. (5x1=5)

14. Distinguish between friendly takeover and hostile takeover. [CO1,Understand]
15. Illustrate the various types of business stakeholders. [CO1,Understand]

Part B

Answer any 1 question from the bunch of CO2. Each question carries 5 mark. (5x1=5)

16. Describe the significance of innovation in Business Organisation and Entrepreneurship. [CO2,Understand]
17. Describe the benefits of Business to society. [CO2,Understand]

Part B

Answer any 1 question from the bunch of CO3. Each question carries 5 mark. (5x1=5)

18. Explain the role of capital in business formation. [CO3,Understand]
19. Discuss the role of business in balanced regional development. [CO3,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (COMMERCE)

CO1DSCB101B24 - Basic Finance for Daily Life

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Describe Finance [CO1,Understand]
2. Explain the term Real assets with examples [CO2,Understand]
3. Compute the simple interest earned by Ravi if he invests ₹5000 at an annual interest rate of 4% for 3 years. [CO2,Apply]
4. Explain Effective rate of interest [CO2,Understand]
5. Describe Money at Call and Short notice [CO3,Understand]
6. Describe Fintech products [CO3,Understand]
7. Discuss insurance policy [CO3,Understand]
8. Define the term Financial Behaviour. [CO4,Understand]
9. Enumerate various types of Financial Attitudes. [CO4,Understand]
10. Define Financial Discipline. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

11. Examine the concept of Money market and its features [CO2,Understand]
12. Differentiate between Insurance and Investment [CO2,Understand]
13. Compute the future value of an amount of Rs.1,00,000 borrowed at 12% for two years under : a)Simple interest b) Compound interest [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Explain different types of bonds [CO3,Understand]
15. Mention the factors to be considered by the borrower while applying for loan [CO3,Understand]
16. Distinguish between Insurance and Investment [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Describe the advantages of Household Budgeting. [CO4,Understand]
18. Discuss the various money personalities. [CO4,Understand]
19. Discuss some tips to overcome inertia in Investment. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO1. Each question carries 10 mark. (10x1=10)

20. Illustrate some practical applications of financial socialisation in daily life [CO1,Apply]
21. Describe the following : (a)borrowing (b) budgeting (c)Investment [CO1,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (COMMERCE)

CO1DSCA01B24 - Basic Finance for Daily Life

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define Financial Socialization. [CO1,Understand]
2. Define compounding [CO2,Understand]
3. Explain Effective rate of interest [CO2,Understand]
4. If seema received Rs.360 as interest over 2 years at simple interest rate of 6% per annum, compute the initial amount she invested. [CO2,Understand]
5. Explain Money at Call and Short notice [CO3,Understand]
6. Describe Simple interest [CO3,Understand]
7. Calculate the annual simple interest rate , if Prakash receives Rs.800 as interest for a principal of Rs. 4000 over 4 years. [CO3,Apply]
8. Explain Financial Discipline. [CO4,Understand]
9. Discuss the different types of Numeracy. [CO4,Understand]
10. Discuss the meaning of Investment Behaviour. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

11. Explain the types of risk [CO2,Understand]
12. Describe the concept of Money market and its features [CO2,Understand]
13. Calculate the EMI for the following
    1. A loan of Rs.5,00,000 at 10% annual interest rate for 5 years using flat rate method
    2. Principal ₹3,00,000, annual interest rate of 10%, tenure of 3 years [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Distinguish between insurance and investment [CO3,Understand]
15. Discuss various types of Bonds [CO3,Remember]
16. Explain Equity shares and Preference shares [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Explain the key outcome associated with different financial attitudes. [CO4,Understand]
18. Describe the various money personalities. [CO4,Understand]
19. Discuss the key factors to be considered while selecting credit. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO1. Each question carries 10 mark. (10x1=10)

20. Discuss the financial socialization agencies [CO1,Understand]
21. Summarise the role of Financial literacy in decision making process. [CO1,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (ZOOLOGY)

ZO1DSCB101B24 - Marvels of the Animal Kingdom

Time : 1.5 Hours | Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Animals with a flexible rod-like structure in early development are called _____. [CO1,Understand]
2. Relationship where barnacles attach to whales is called _____. [CO1,Understand]
3. Five-kingdom classification was proposed by _____ in 1969. [CO1,Understand]
4. Process of pairing between male and female animals for reproduction is called _____. [CO2,Understand]
5. Name the enzyme involved in light production in bioluminescent organisms. [CO2,Understand]
6. Structure used by male seahorses to carry embryos is called _____. [CO2,Understand]
7. Name the organism used as a bioindicator of air quality. [CO3,Understand]
8. Name an insect known for constructing tall earthen mounds with ventilation systems. [CO3,Understand]
9. Identify the butterfly with a wing pattern resembling a dry leaf. [CO3,Understand]
10. The book The Fall of a Sparrow is the autobiography of _____. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Explain the roles of animals in an ecosystem. [CO1,Understand]
12. Describe the different types of herbivores with examples. [CO1,Understand]
13. Explain different types of aerial habitat. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain breifly the ypes of cannibalism in spiders. [CO2,Understand]
15. Write a note on breeding and parental care in strawberry poison dart frog . [CO2,Understand]
16. Explain how track shape, size, and gait patterns help in identifying animals. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Explain the benefits of schooling in fishes with respect to predator protection and foraging [CO3,Understand]
18. Discuss camouflage, bluffing, and evasive tactics of non-venomous snakes. [CO3,Understand]
19. Explain the use of freshwater mussels, crayfish, and lichens as bioindicators . [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Discuss the life and work of Kalten Pokkudan in mangrove conservation. [CO4,Understand]
21. Explain the contributions of Kurien, Salim Ali, Bahuguna, and Pokkudan to biological sciences and conservation in a comparative account. [CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (ZOOLOGY)

ZO1DSCA01B24 - Marvels of the Animal Kingdom

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. List 2 examples of detritivores. [CO1,Remember]
2. Define mutualism. [CO1,Understand]
3. Define taxonomy. [CO1,Understand]
4. American Foulbrood primarily affects which stage of bees? [CO2,Understand]
5. Mention the main role of drones in a honey bee colony? [CO2,Understand]
6. Name the mite that weakens honey bees by feeding on their blood and transmitting viruses. [CO2,Understand]
7. Example of a desert rodent that produces urine more concentrated than seawater. [CO3,Remember]
8. Write down the civilian honour received by Dr. Salim Ali in 1958. [CO4,Remember]
9. Mention the species of mangrove popularly planted by Kallen Pokkudan. [CO4,Remember]
10. Identify the women leader of Chipko movement in Reni village. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Viruses are parasites. Justify. [CO1,Understand]
12. Explain the role of animals in an ecosystem. [CO1,Remember]
13. Describe different types of habitats on Earth. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

14. Write a note on breeding and parental care in strawberry poison dart frog . [CO2,Understand]
15. List and explain any five major causes of honey bee population decline. [CO2,Understand]
16. Explain breifly the ypes of cannibalism in spiders. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Write a short note on Dr. Salim Ali's contributions to bird conservation and taxonomy. [CO4,Understand]
18. Discuss the ecological and social importance of mangroves as promoted by Kallen Pokkudan. [CO4,Understand]
19. How did Sundarlal Bahuguna contribute to environmental awareness through the Chipko Movement? [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Describe the importance of coral reefs in biodiversity, coastal protection, and the economy, along with major threats. [CO3,Understand]
21. Adaptations of mimicry, colouration, and bioindicators in animals for survival and ecosystem monitoring – analyze with examples. [CO3,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (PHYSICS)

PH1DSCB101B24 - FOUNDATIONS OF PHYSICS

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Python is a high level language. True or false? [CO1,Understand]
2. List any one escape sequence character in Python laguage. [CO1,Understand]
3. Explain the term trajectory. [CO1,Remember]
4. For an object to be in equilibrium, the net external force acting on it should be ..... [CO2,Understand]
5. A stretched rubber band on release propels a stone forward. What energy conversion takes place? [CO2,Understand]
6. The weight of an object varies from one location to another. True or false? [CO2,Understand]
7. 1 Joule is
   (i) 1 Nm
   (ii) 1 N/m
   (iii) 1 Nm^2
   (iv) 1 N/m^2 [CO3,Understand]
8. Unit of kinetic energy is ..... [CO3,Understand]
9. 1 hp = ... watts [CO3,Understand]
10. Write the escape sequence character for inserting a new line in python programme. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. You throw a rock straight up from the edge of a cliff. It leaves your hand at time t = 0 moving at 12.0 m/s. Air resistance can be neglected. (a) Find both times at which the rock is 4.00 m above where it left your hand. (b) Find the time when the rock is 4.00 m below where it left your hand. [CO1,Apply]
12. Set up the equation for the path along x axis and y axis of a projectile. Two seconds after projection a projectile is travelling in a direction inclined at 30° to the horizontal after one more sec, it is travelling horizontally, what are the magnitude and direction of its velocity ? [CO1,Apply]
13. A cyclist going around a circular track at 10.0 m/s has a centripetal acceleration of 5.00 m/s^2. What is the radius of the curve? [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. A 900-kg motorcycle accelerates uniformly from 5 m/s to 25 m/s in 6 seconds. Find the average net force on it. [CO2,Apply]
15. In which of the following situations is there zero net external force on the object? Why?
   (i) An airplane flying due north at a steady 100 m/s and at a constant altitude
   (ii) A car driving straight up a hill with a 4° slope at a constant 90 km/h
   (iii) A hawk circling at a constant 10 km/h at a constant height of 10 m above an open field

(iv) A box with slick, frictionless surfaces in the back of a truck as the truck accelerates forward on a level road at 3 m/s^2. [CO2,Apply]

16. Rank the following situations in order of the magnitude of the object's acceleration, from lowest to highest. Are there any cases that have the same magnitude of acceleration?
    (i) A 2.0 kg object acted on by a 2.0 N net force;
    (ii) A 2.0 kg object acted on by an 8.0 N net force
    (iii) An 8.0 kg object acted on by a 2.0 N net force
    (iv) An 8.0 kg object acted on by a 8.0 N net force [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. A body of mass 1 kg is moving with velocity 4 m/s. A force of 2 N is applied on it in the direction of motion for 5 m.
    (i) Calculate the work done by the force.
    (ii) Find the increase in kinetic energy.
    (iii) Verify the Work–Energy Theorem. [CO3,Apply]
18. A 50 kg marathon runner runs up the stairs to the top of Chicago's Willis Tower which is 443 m tall. To lift herself to the top in 15 minutes, what must be her average power output? [CO3,Apply]
19. Differentiate between static, kinetic and rolling frictional forces and deduce the coefficients of friction in each case. [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. (i) Write a python programme to print a table of 3 using *while* loop.
    (ii) Write a python programme to calculate the remainder of two numbers 10 and 4. [CO4,Apply]
21. (i) Write a note on the characteristics of python language.
    (ii) Write a python programme to calculate the sqaure of a number enteredby the user. [CO4,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (PHYSICS)

PH1DSCB101B24 - FOUNDATIONS OF PHYSICS

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. What length restrictions are required for three vectors to have a vector sum of zero? [CO1,Apply]
2. Using two arbitrary vectors, demonstrate the polygon and parallelogram laws of vector addition. [CO1,Apply]
3. With a brief description, list out the steps involved in solving a physics problem. [CO1,Understand]
4. For an object to be in equilibrium, the net external force acting on it should be ..... [CO2,Understand]
5. Define one Newton. [CO3,Understand]
6. Give an example of a non-conservative force. [CO3,Understand]
7. Define one horse power (hp). [CO3,Understand]
8. Which is the function is used to find the length of a list in python? [CO4,Understand]
9. Mention how the operator '=' differs from the operator '= =' in python. [CO4,Understand]
10. Give the result of the expression 3**2 + 5 in python programme. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. A circular race track has a radius of 500 m. What is the displacement of a bicyclist when she travels around the track from the north side to the south side? Also, when she makes one complete circle around the track? Explain. [CO1,Apply]
12. (i) A juggler throws a bowling pin straight up with an initial speed of 8.20 m/s. How much time elapses until the bowling pin returns to the juggler's hand? (ii) A sprinter runs a 100 m dash in 12.0 s. She starts from rest with a constant acceleration 'a' for 3.0 s and then runs with constant speed for the remainder of the race. What is the value of a? [CO1,Apply]
13. A cyclist going around a circular track at 10.0 m/s has a centripetal acceleration of 5.00 m/s2. What is the radius of the curve? [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. A body of mass 1 kg is moving with velocity 4 m/s. A force of 2 N is applied on it in the direction of motion for 5 m.
    (i) Calculate the work done by the force.
    (ii) Find the increase in kinetic energy.
    (iii) Verify the Work–Energy Theorem. [CO3,Apply]
15. Derive a formula for instantaneous power for a force doing work on a body. [CO3,Understand]
16. Write a short note on energy diagrams and draw the energy diagram of an object acted upon by an elastic force. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Write a programme to find out if the entered number is Positive, Negative, or 0 on Python. [CO4,Apply]

18. Write a programme to add 2 numbers entered on Python. [CO4,Apply]

19. Write a note on the characteristics of python language. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. (10x1=10)

20. (a)Differentiate between *mass* and *weight* with suitable examples.(b)A block of mass 5kg is placed on a horizontal surface. Calculate its weight. If the block exerts a force on the surface, what is the magnitude and direction of the reaction force? [CO2,Understand]

21. Discuss the different types of forces in physics. Explain with suitable everyday examples how forces always arise due to interactions between objects. [CO2,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (PHYSICS)

PH1DSCA01B24 - FOUNDATIONS OF PHYSICS

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Express 1 nanosecond in SI units of time. [CO1,Remember]
2. Name the two geometrical methods of vector addition. [CO1,Understand]
3. How do you find the magnitude of a vector A from its x & y components A_x and A_y ? [CO1,Understand]
4. Give two examples for projectile motion. [CO2,Remember]
5. Differentiate between average acceleration and instantaneous acceleration. [CO2,Remember]
6. What is the acceleration of a freely falling ball if there is no air resistance? [CO2,Remember]
7. The net force acting on a body is equal to the rate of change of its _____. [CO3,Remember]
8. What is the correct way to assign the value 10 to a variable named x? [CO4,Understand]
9. Write the output for the python program

```
for i in range(3):
    print(i)
```

[CO4,Understand]

10. What will be the output of `5 % 2` in Python? [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. (a) Given $\vec{a} = 5\hat{i} + 3\hat{j} + 4\hat{k}$ and $\vec{b} = 2\hat{i} - 8\hat{j} + 9\hat{k}$ (b) Compute the vector product $\vec{a} \times \vec{b}$ (c) Find the magnitude of the resulting vector. [CO1,Apply]
12. Give the definitions of a vector, a parallel vector, and an antiparallel vector. [CO1,Understand]
13. (a) A voltage is measured as 9.80 ± 0.02 . What is the range within which the true voltage is expected to lie? (b) A measured quantity is reported as 2.718(17). Explain the meaning of this short hand notation. [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

14. A stone is dropped from rest from the top of a building and falls freely from rest. Find its position (measured from the release point, downward positive) and velocity after 1.0 s, 2.0 s, and 3.0 s. [CO2,Apply]
15. A man walks at 3 m/s on a train moving at 20 m/s. Calculate his velocity relative to the ground if he walks (a) in the direction of the train, (b) opposite to the train's motion. [CO2,Understand]

16. Two blocks connected by a light rope pass over a frictionless pulley. Find acceleration and tension. [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Write a Python program to calculate acceleration when a constant force acts on a mass. [CO4,Apply]
18. Write a Python program that accepts a number from the user and checks whether it is **even or odd**. [CO4,Apply]
19. Write a Python program to calculate the time taken by an object to fall from a given height h. Use the equation $h=u^2/(2g)$. [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. (a)Explain the difference between mass and weight. How does the weight of a body vary with location on Earth and in space? (b)Two blocks, 5 kg and 3 kg, are connected by a light string over a frictionless pulley. The 5-kg block rests on a horizontal surface while the 3-kg block hangs vertically. Coefficient of friction between the 5-kg block and surface is 0.2.
    (a) Draw free-body diagrams for both blocks.
    (b) Find the acceleration of the system and tension in the string.

    [CO3,Apply]

21. (a)Explain gravitational potential energy and elastic potential energy. Give examples and describe how energy is stored in each case.(b)A block of mass 1 kg is released from a height of 5 m above a spring (spring constant k = 200 N/m). Find the maximum compression of the spring, neglecting friction. [CO3,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (MATHEMATICS)

MT1DSCB101B24 - Ground Rocks of Mathematics

Time : 1.5 hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Estimate the cardinality of the set { 2,4,6,8,10} [CO1,Understand]
2. Define a singleton set. [CO1,Remember]
3. List the members of the set A = { x| x is a real number such that $x^2 = 1$}. [CO1,Remember]
4. Illustrate $y = x^{-5}$ is an odd function. [CO2,Understand]
5. Estimate $(f - g)(x)$, given $f(x) = 5x + 3$ and $g(x) = x + 3$. [CO2,Understand]
6. Calculate $f(g(0))$ where $f(x) = x + 5$ and $g(x) = x$. [CO2,Apply]
7. If f(x) = $\tan^2 x$, Determine f '(x). [CO3,Apply]
8. Calculate $\frac{dy}{dx}$, if $y = x^2 + sinx$. [CO3,Apply]
9. $y = x \sin x$. Determine $\frac{dy}{dx}$. [CO3,Apply]
10. Identify which critical points of the function $f(x) = 3x^4 + 12x$ are stationary points. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (2x2=10)

11. Illustrate using a Venn Diagram the set of vowels V in the English alphabet. [CO1,Understand]
12. Estimate the cardinality of the following sets

$A = \{1, 3, 5, 7, 9\}$

$B = \{a, b, c\}$

$A \cup B$

$A \cap B$

$A - B$

[CO1,Understand]

13. Let A ={1,2,3}, B = { x, y}, C = { a , b}. Express as a set a) A x B b) B x C c) A x C d) A x B x C Describe how many elements does A x B x C have if A has m elements, B has n elements and C has p elements.

[CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (2x5=10)

14. Determine the domain and range of the function $f(x) = 1 + x^2$. [CO2,Apply]
15. Determine $f(g(2))$ and $g(g(1))$ where $f(x) = 3x + 4$ and $g(x) = 2x - 1$. [CO2,Apply]
16. Compute $f \circ g$ and $g \circ f$ if $f(x) = x - 6$ and $g(x) = 5x$. [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (2x5=10)

17. Illustrate that if $x \neq 0$ then $y = 1/x$ satisfies the equation $x^2y'' + x^2y' - xy = 0$. [CO3,Apply]

18. Determine $\frac{d}{dx}(2x^6 + x^{-9})$ [CO3,Apply]

19. Calculate $\frac{d}{dx}[\sin(1 + \cos x)]$ [CO3,Apply]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. **(10x1=10)**

20. (a)Determine the intervals on which $f(x) = x^2 - 3x + 8$ is concave up and concave down.

    (b) Calculate the relative extrema of the function $f(x) = 3x^5 - 5x^3$. [CO4,Analyse]

21. (a)Determine the intervals where the function $f(x) = x^2 + 2x + 1$ is increasing or decreasing.

    (b)Deduce the absolute maximum and minimum values of the function $f(x) = 6x^{4/3} - 3x^{1/3}$ on the interval [-1, 1].

    [CO4,Analyse]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (MATHEMATICS)

MT1DSCB101B24 - Ground Roots of Mathematics

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Express the set relation $A \cap B$ using a Venn Diagram. [CO1,Understand]
2. Express the power set of the set $A = \{a, b\}$. [CO1,Understand]
3. Calculate $f(g(0))$ where $f(x) = x + 5$ and $g(x) = x$. [CO1,Understand]
4. Compute $f \circ g(x)$, where $f(x) = x$ and $g(x) = x^2 + 1$. [CO2,Apply]
5. Calculate $\frac{dy}{dx}$, if y = x + cos x. [CO3,Understand]
6. If $y = \frac{1}{x^2}$, then $\frac{dy}{dx}$ = _____.

   a) $\frac{1}{x}$ b) $\frac{-4}{x^3}$ c) $\frac{-2}{x^3}$ d) $\frac{4}{x^4}$ [CO3,Apply]
7. Determine $f'(x)$ where f(x) = $\sqrt{6}x$.

   (a) x (b) 6 (c) 1 (d) $\sqrt{6}$ [CO3,Understand]
8. Identify which critical points of the function f(x) = $3x^4 + 12x$ are stationary points. [CO4,Understand]
9. Identify the intervals on which the function f(x) = x^3 is increasing and the intervals on which it is decreasing. [CO4,Understand]
10. Compare increasing and decreasing functions. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Let $A = \{1, 2, 3, 4\}$ $B = \{0, 3, 6\}$ and $U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$

    Estimate $\overline{A}$, $\overline{B}$, $A \cup B$, $A \cap B$, $A - B$. [CO1,Understand]
12. Estimate A^2 if $A = \{1, 2, a, b\}$. [CO1,Understand]
13. Illustrate using a Venn Diagram the set of vowels V in the English alphabet. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

14. Compute $\frac{dy}{dx}$ using implicit differentiation, $3y^2 - \sin y = x^2$. [CO3,Understand]
15. If xy + y = 1. Determine $\frac{dy}{dx}$ by implicit differentiation. [CO3,Understand]
16. f(x) = (x -1), g(x) = $\frac{1}{x-1}$. Determine $(fog)(x)$ and $(fog)'(x)$. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Illustrate that f(x) = x^2 has a relative minimum at x = 0. [CO4,Analyse]

18. Deduce the absolute maximum and minimum values of the function $f(x) = 8x - x^2$ on the interval [0, 6].

[CO4,Analyse]

19. Deduce the absolute maximum and minimum values of the function $f(x) = 2x^3 - 15x^2 + 36x$ on the interval [1, 5].

[CO4,Analyse]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. **(10x1=10)**

20. Write the equation of the following shifted graphs.

    1. $y = 2x$ shifted 4 units right and 3 units up
    2. $x^2 + y^2 = 16$ shifted 2 units down and 4 units left
    3. $y = 3x - 5$ shifted 8 units upwards

[CO2,Apply]

21. Let $f(x) = 2x^2 - 1$ and $g(x) = 2x$. Compute the following :

    1. $f(x) - g(x)$
    2. $f(x) + g(x)$
    3. $f(x).g(x)$
    4. $f(x) \circ g(x)$
    5. $g(x) \circ f(x)$

[CO2,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (MATHEMATICS)

MT1DSCA01B24 - Ground Roots of Mathematics

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Calculate $f(g(0))$ where $f(x) = x + 5$ and $g(x) = x - 9$. [CO1,Understand]
2. Explain one-to-one functions. [CO2,Understand]
3. Describe Identity function. [CO2,Understand]
4. Calculate $(fg)(x)$ where $f(x) = x^3$ and $g(x) = 7x - 2$. [CO2,Apply]
5. $y = \frac{1}{\cos x}$, Determine $\frac{dy}{dx}$ at x = $\frac{\pi}{3}$. [CO3,Apply]
6. Calculate $\frac{dy}{dx}$, if $y = x^2 + sinx$. [CO3,Understand]
7. If $y = x \sin x$, then estimate $\frac{dy}{dx}$ [CO3,Understand]
8. Compare concave up and concave down functions. [CO4,Understand]
9. Identify the critical points of the function $f(x)$, given f '(x) = x (x - 4)^2 [CO4,Understand]
10. The function f(x) = x^2 – 4x +3 is concave up on the interval (-∞, +∞). Interpret. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

11. Calculate $g \circ f(2)$ and $g \circ g(x)$ if $f(x) = x - 7$ and $g(x) = 8x^2 + 2$. [CO2,Apply]
12. Compute $(f + g)(x), (g + h)(x)$ and $(g - h)(x)$ if $f(x) = x\ h(x) = 2x^2 - 14x + 11$ and $g(x) = x^8 - 6$. [CO2,Apply]
13. Compute $f \circ g(x)$, if $f(x) = x + 19$ and $g(x) = \sqrt{x - 1}$. [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

14. f(x) = (x -1), g(x) = $\frac{1}{x+1}$. Determine $(fog)(x)$ and $(fog)'(x)$. [CO3,Understand]
15. Compute $f'(x)$, if $f(x) = \frac{5-\cos x}{5+\sin x}$. [CO3,Apply]
16. Compute $f'(x)$ if $f(x) = \frac{\sin x}{x^2+\sin x}$. [CO3,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Determine the intervals on which the function f(x) = x^2 - 3x + 8 is increasing or decreasing. [CO4,Apply]
18. Deduce the absolute maximum and minimum values of the function f(x) = 4x^2 – 12x + 10 on the interval [1, 5]. [CO4,Analyse]

19. Illustrate that f(x) = x^3- 3x + 3 has a relative minimum at x=1 and a relative maximum at x = -1. [CO4,Analyse]

Part C

Answer any 1 question from the bunch of CO1. Each question carries 10 mark. **(10x1=10)**

20. Let $A = \{1, 2, 6, 7\}$, $B = \{0, 6, 7, 8\}$ and $C = \{1, 4\}$. Estimate the following

    1. $A \times A$
    2. $A \times B$
    3. $B \times C$
    4. $A \times C$
    5. $C \times C$

[CO1,Understand]

21. a. In a library, set A = books that are fiction, Set B = books that are by Indian authors. There are 200 books and among them 80 are fiction, 90 are by Indian authors and 30 are both. Using Venn Diagram estimate and illustrate the following:

    1. Number of books that are fiction but not by Indian authors.
    2. Number of books that are neither fiction nor by Indian authors?

    b. Using Venn Diagram, show that $\overline{A \cup B} = \overline{A} \cap \overline{B}$ [CO1,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MULTI-DISCIPLINARY COURSES (MDC) (MATHEMATICS)

MT1MDC01B24 - Mathematics for Competitive Examinations - I

Time : 1 Hours

Maximum Marks : 35

Part A

Answer any 3 questions from the bunch of CO1. Each question carries 2 mark. **(2x3=6)**

1. What least value must be assigned to * so that the number 8254*3 is divisible by 9? [CO1,Apply]
2. Find the least number to be subtracted from 190 to make it a perfect square. [CO1,Apply]
3. Which of the following numbers is divisible by 8? (i) 456712 (ii) 298367 [CO1,Apply]
4. Determine the ratio X : Y if 10% of X is equal to 20% of Y. [CO1,Apply]

Part A

Answer any 3 questions from the bunch of CO2. Each question carries 2 mark. **(2x3=6)**

5. Samir's age is one-fourth of his father's age and two-third of his sister Reema's age. Determine the ratio of the ages of Samir, Reema and their father respectively? [CO2,Apply]
6. Determine the day of the week on which the 15th of a month falls, given that three Sundays of that month fall on even-numbered dates. [CO2,Apply]
7. The ratio of the ages of Tina and Rakesh is 9 : 10 respectively. Ten years ago, the ratio of their ages was 4 : 5 respectively. Calculate the present age of Rakesh? [CO2,Apply]
8. Mansi purchased a car for Rs. 2,50,000 and sold it for Rs. 3,48,000. Determine the percent profit she made on the car? [CO2,Apply]

Part A

Answer any 4 questions from the bunch of CO3. Each question carries 2 mark. **(2x4=8)**

9. A and B can do a work in 8 days and 16 days respectively. Determine who is more efficient and by how many times? [CO3,Apply]
10. A cyclist travels at a speed of 15 km/hr. Calculate the distance travelled in 2 hours? [CO3,Apply]
11. A can finish a work in 12 days and B in 18 days. If they work together, Determine in how many days will the work be completed? [CO3,Apply]
12. A and B together can finish a task in 12 days. A alone can finish it in 20 days. Determine the number of days B requires to finish the work alone. [CO3,Apply]
13. A person drives at a speed of 50 km/hr for 3 hours and then 60 km/hr for 2 hours. Calculate the total distance covered. [CO3,Apply]

Part B

Answer any 1 question from the bunch of CO1. Each question carries 5 mark. **(5x1=5)**

14. Saroj invests Rs. 72318, which is 17% of her annual income, in mutual funds. Determine her monthly income? [CO1,Apply]
15. Find the HCF of 867 and 255 using Euclid's algorithm. [CO1,Apply]

Part B

Answer any 1 question from the bunch of CO2. Each question carries 5 mark. **(5x1=5)**

16. Determine the day of the week on 4th June, 2002? [CO2,Apply]
17. The age of father 10 years ago was thrice the age of his son. 10 years hence father's age will be twice that of his son. Determine the ratio of their present ages. [CO2,Apply]

Part B

Answer any 1 question from the bunch of CO3. Each question carries 5 mark. **(5x1=5)**

18. A can do a work in 4 days, B in 5 days and C in 10 days. Determine the time taken by A, B and C to do the work together. [CO3,Apply]
19. Two towns are 210 km apart. A car starts from one town at 45 km/h and another car starts from the other town at 60 km/h at the same time. Calculate the time taken for the two cars to meet. [CO3,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (HOME SCIENCE)

HS1DSCB101B24 - Perspectives of Home Science I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. List any two methods used for assessing nutritional status. [CO1,Remember]
2. Name any two protective foods. [CO1,Remember]
3. Differentiate fat soluble and water soluble vitamins [CO1,Understand]
4. Report dietary guidelines. [CO2,Understand]
5. Quote what is theory in child development? [CO3,Remember]
6. Teach Vygotsky's sociocultural theory. [CO3,Apply]
7. Explain operant conditioning? [CO3,Understand]
8. Define motor development. [CO4,Remember]
9. State the meaning of development. [CO4,Remember]
10. Define puberty. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Write a short note on food fortification. [CO1,Apply]
12. Write the importance of "My Plate for the Day" in meal planning. [CO1,Apply]
13. Describe any two methods for prevention of nutrient loss during cooking. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Establish the scope of child development. [CO3,Apply]
15. Articulate genes and peer are very important for children's development based on temperament, cognitive abilities and behavior studies. [CO3,Apply]
16. Explain anthropometry method. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Write a note on the factors influencing the development of various domains. [CO4,Understand]
18. Identify the key domains of child development important for early stimulation. [CO4,Remember]
19. Compare between the principle of cephalocaudal development and proximodistal development. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. (10x1=10)

20. Examine the dietary guidelines recommended for Indians and their significance. [CO2,Apply]
21. Express the factors influencing menu planning. [CO2,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (HOME SCIENCE)

HS1DSCA01B24 - Perspectives of Home Science I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Name two common millets used in Indian diets. [CO1,Remember]
2. Differentiate fat soluble and water soluble vitamins [CO1,Understand]
3. Define health. [CO1,Remember]
4. Recall on galactagogues. [CO2,Remember]
5. Define colostrum. [CO2,Remember]
6. Recall anorexia nervosa. [CO2,Remember]
7. Quote what is theory in child development? [CO3,Remember]
8. List the various domains of development. [CO4,Remember]
9. Define growth. [CO4,Remember]
10. Define motor development. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Write a short note on food fortification. [CO1,Apply]
12. Explain any two methods of improving the quality of diet from the following methods: (a) Sprouting (b) Fermentation (c) Parboiling [CO1,Apply]
13. Differentiate between macronutrients and micronutrients along with sources for each nutrient [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain the physiology of lactation. [CO2,Analyse]
15. Explain the physiological changes in pregnancy. [CO2,Analyse]
16. Discuss the impact of maternal malnutrition on fetal development. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Differentiate between gross motor and fine motor skills. [CO4,Understand]
18. Differentiate between authoritative and authoritarian parenting styles. [CO4,Understand]
19. Compare between the principle of cephalocaudal development and proximodistal development. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Examine historical and theoretical perspectives of human development. [CO3,Apply]

21. Construct the importance of human development to teachers parents and other personnels and its relationship with other fields of study. [CO3,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (CHEMISTRY)

CH1DSCB101B24 - Fundamentals of Chemistry-I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. State Pauli's exclusion principle. [CO1,Remember]
2. State Uncertainty principle. [CO1,Remember]
3. Identify the possible values of azimuthal quantum number (l) for the given value of principle quantum number n = 2. [CO1,Understand]
4. Define dipole moment. [CO2,Understand]
5. Explain the term catenation. [CO2,Understand]
6. State bond polarity. [CO2,Understand]
7. Identify the reactive intermediate that has a trigonal planar geometry?
   A) A methyl carbanion ($:CH_3^-$)
   B) A tertiary carbocation ($(CH_3)_3C^+$)
   C) A methyl free radical ($CH_3^\bullet$)
   D) Both B and C [CO3,Remember]
8. Describe any one synthesis method of free radicals. [CO3,Understand]
9. Predict the product of heterolytic fission. [CO3,Understand]
10. Restate Modern periodic law. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. State de Broglie's hypothesis and explain the relation between wavelength and momentum of a moving particle. [CO1,Understand]
12. Identify the uncertainty in velocity of an electron if the uncertainty in its position is 100 pm. (Mass of the electron = 9.1×10^{-31} Kg). [CO1,Understand]
13. Explain the reason for filling electrons in 2p orbital before 3s orbital. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Illustrate the sp hybridisation with the help of suitable example. [CO2,Understand]
15. Explain the role of organic chemistry in the development of modern medicines, giving any specific examples. [CO2,Understand]
16. Explain sp^3 hybridisation with the help of a suitable example. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Compare the stability of the $(CH_3)_3C^\bullet$ (tertiary) free radical and the $CH_3^\bullet$ (methyl) free radical, and explain the reason for the difference. [CO3,Understand]
18. Explain how the inductive effect polarizes a carbon chain and provide an example of an electron withdrawing group and an electron-releasing group. [CO3,Understand]

19. Outline, a) the +I effect with suitable examples. b) the structure and hybridisation of free radicals.

[CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. **(10x1=10)**

20. a) Explain the Slater's rules. b) Calculate the Z_{eff} for the last electron in Na^+ ion and a 2p electron in the Nitrogen atom.

[CO4,Understand]

21. Explain the classification and characterization of elements depending upon their configurations with suitable examples-- s block, p-block, d-block and f-block.

[CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (CHEMISTRY)

CH1DSCB101B24 - Fundamentals of Chemistry-I

Time : 1.5 Hours Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Predict the number of nodes in 2s orbital. [CO1,Understand]
2. Recall the minimum energy required to eject electron from the surface of the metal. [CO1,Understand]
3. Predict the value of Bohr's radius for the given value of n=2. [CO1,Understand]
4. State bond polarity. [CO2,Understand]
5. Predict the geometry of carbocation. [CO3,Understand]
6. Define electron displacement effect. [CO3,Understand]
7. Identify the hybridisation of carbocation. [CO3,Understand]
8. Recall multiple covalent bonds. [CO4,Remember]
9. Give one example each for molecules having ionic bond and covalent bond. [CO4,Understand]
10. Give the oxidation number of Sulphur in H_2SO_4. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Differentiate the concept of orbit and orbital. [CO1,Understand]
12. Explain the reason for filling electrons in 2p orbital before 3s orbital. [CO1,Understand]
13. Predict the shapes of s, p, and d orbitals with diagrams. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Explain the reason for the high stability of tertiary carbocation than primary carbocation. [CO3,Understand]
15. Describe resonance effect with suitable examples. [CO3,Understand]
16. Outline, a) the +I effect with suitable examples. b) the structure and hybridisation of free radicals. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Calculate the oxidation number of Sulphur in a) $H_2SO_4^{2-}$ b) $Na_2S_2O_3$ c) H_2S. [CO4,Apply]
18. Explain the applications of lattice energy and the factors that influence it. [CO4,Apply]
19. Compare electron affinity and electronegativity. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. **(10x1=10)**

20. Explain the concept of hybridisation by specify sp, sp^2 and sp^3 hybridisations. [CO2,Understand]

21. "Electronegativity is the reason for bond polarity". Describe the statement with various examples. [CO2,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (CHEMISTRY)

CH1DSCA01B24 - Fundamentals of Chemistry-I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Identify de Broglie equation. [CO1,Understand]
2. State Pauli's Exclusion Principle. [CO1,Remember]
3. Splitting of spectral lines in the presence of electric field is called ..... [CO1,Understand]
4. Define hybridization. [CO2,Remember]
5. State the significance of a curved arrow in organic reactions. [CO2,Remember]
6. Define the term catenation. [CO2,Remember]
7. Define homolytic bond fission with an example. [CO3,Remember]
8. Electron gain enthalphy of Fluorine is lower than Chlorine. Identify the reason. [CO4,Understand]
9. Identify the elements classified under the category of the representative elements in the periodic table.

    a. s and d block elements
    b. s and p block elements
    c. s and f block elements
    d. d and f block elements

    [CO4,Understand]

10. Predict the property of the Fluorine to attract the bonded electrons of the covalent bond is known as
    (a) Electron affinity
    (b) Ionisation potential
    (c) Electronic attraction
    (d) Electronegativity [CO4,Apply]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Explain azimuthal quantum numbers and the shapes and orientations of the s, p and d orbitals. [CO1,Understand]
12. Explain the photoelectric effect. [CO1,Understand]
13. Explain the main postulates of Bohr model of atom and discuss hydrogen spectrum. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain how hybridisation helps in understanding the bonding and geometry of carbon compounds. [CO2,Understand]
15. Describe the Characteristics of hybridisation. [CO2,Understand]
16. Explain catenation and the factors responsible for the exceptional behaviour of carbon. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Explain the concept of covalent bond and provide examples for single, double and triple covalent bond formation. [CO4,Understand]

18. Differentiate ionization energy and electronegativity. [CO4,Understand]

19. The elements of the second period of the Periodic Table are given below:

Li Be B C N O F

a. Predict the reason to for the decrease in atomic radii from Li to F.
b. Identify the most metallic and non-metallic elements.
c. Discuss the trend in ionization energy along this period.
d. Discuss the trend in electron gain enthalphy along this period.
e. Identify the most electropositive element in this group.

[CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Discuss **electron displacement effects** (inductive, resonance, and hyperconjugation) with suitable examples. [CO3,Understand]

21. Explain the preparation and structure of free radicals with suitable examples. Describe why benzyl free radical is more stable than methyl free radical. [CO3,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (BOTANY)

BO1DSCA01B24 - Frontiers in Plant Science

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Describe Golden rice. [CO1,Understand]
2. Define Ecology. [CO1,Remember]
3. Name the person who introduced high-yielding hybrid varieties of sugarcane. [CO1,Remember]
4. Name the group of plants that shows "circinate vernation" [CO2,Remember]
5. Identify a plant which is commonly known as 'Monkey cup". [CO2,Remember]
6. Name the most expensive coffee in the world. [CO2,Remember]
7. Explain GIS. [CO3,Understand]
8. Define bioindicators. [CO4,Understand]
9. Define Phytoremediation [CO4,Understand]
10. Name the commercial product obtained from Trichopus zeylanicus. [CO4,Remember]

Part B

Answer any 3 questions from the bunch of CO1. Each question carries 3 mark. (3x3=10)

11. Explain the contributions of E K Janaki Ammal. [CO1,Understand]
12. Discuss the contributions of Carolus Linnaeus. [CO1,Understand]
13. Discuss the research areas of plant physiology. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Distinguish algae and brycphyies. [CO2,Understand]
15. Discuse on the benefits on Cordyceps. [CO2,Understand]
16. Explain the production method of Kopiluwak. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Write the different ways to maintain ecological balance. [CO4,Apply]
18. Differentiate between crustose, fruticose and foliose lichens with examole. [CO4,Understand]
19. Prepare a note on timber plants. [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (1x10=10)

20. Discuss the applications of IoT in Botany. [CO3,Understand]
21. Explain the applications of PCR. [CO3,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (BOTANY)

BO1DSCB101B24 - Frontiers in Plant Science

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Name the book published by Theophrastus. [CO1,Remember]
2. Define plant anatomy. [CO1,Remember]
3. Who put forth the Binomial Nomenclature? [CO1,Remember]
4. Name the male and female reproductive structures in bryophytes. [CO2,Understand]
5. Give examples of insectivorous plants. [CO2,Understand]
6. What are psychoactive flora? [CO2,Understand]
7. Cite the DNA polymerase is used in Polymerase Chain Reaction. [CO3,Understand]
8. Explain GIS. [CO3,Remember]
9. Describe a nuclectide. [CO3,Understand]
10. Which is the useful part of Curcuma longa. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Write a short note on Hortus Malabaricus [CO1,Understand]
12. Write the benefits of Trichopus zeylanicus. [CO1,Understand]
13. Explain the contributions of K.S. Manilal. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Discuss about "Biomimocy nature as amodel' with suitable example [CO2,Understand]
15. State the major differences between angiosperms and gymnosperms. [CO2,Understand]
16. Explain the major groups of Alage with its pigements and reserve foods [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Explain the role of IoT in deep learning and technology. [CO3,Understand]
18. Discuss the role of deep learning technology in disease management. [CO3,Understand]
19. Explain the requirements or components of PCR. [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Write down the name, morphology of useful parts and economic importance of two fiber yielding and two timber yielding plants [CO4,Understand]
21. Expalin the major pollution indicators with examples [CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

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SEMESTER I - MINOR - C (BOTANY)

BO1DSCB101B24 - Frontiers in Plant Science

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define plant anatomy. [CO1,Remember]
2. Who is known as the Father of Botany? [CO1,Remember]
3. Who translated Hortus Malabaricus into Malayalam language? [CO1,Remember]
4. Name the male and female reproductive structures in bryophytes. [CO2,Understand]
5. Cite the scientist who invented the PCR. [CO3,Understand]
6. Name the nitrogenous bases in DNA. [CO3,Understand]
7. Desribe the principle of remote sensing. [CO3,Understand]
8. Give an example of air pollution indicators. [CO4,Understand]
9. What is the scientific name of rice? [CO4,Understand]
10. Give an example of one spice with its binomial name [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Write the benefits of Trichopus zeylanicus. [CO1,Understand]
12. Explain the contributions of K.S. Manilal. [CO1,Understand]
13. Explain the role of genetic engineering. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Discuss the procedure of PCR. [CO3,Understand]
15. Describe the composition of DNA. [CO3,Understand]
16. Discuss the different characteristics of IoT. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Write the different ways to maintain ecological balance. [CO4,Understand]
18. Write a note on any two oil plants, its part used and the uses. [CO4,Understand]
19. Comment on fibre yielding plants. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. (10x1=10)

20. Describe the general characters and distribution of bryophytes. [CO2,Understand]
21. Describe the distinguishing characters and reproduction in Angiosperm [CO2,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (SOCIOLOGY)

SO1DSCB101B24 - Invitation to Sociology

Time : 1.5 Hours | Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Name the sociologist who introduced the concept 'sociological imagination'. [CO1,Understand]
2. List any two theorist who subscribe to formalistic school of Sociology. [CO1,Understand]
3. Define Applied Sociology. [CO1,Understand]
4. Describe a parasocial relationship? [CO2,Understand]
5. Describe social interaction. [CO2,Understand]
6. Define gesellschaft [CO2,Understand]
7. Name the theorist who introduced the concept of ethnocentrism. [CO3,Analyse]
8. List any two agents of socialization. [CO3,Remember]
9. Name one way in which mass media influences socialization. [CO3.Remember]
10. Describe ethnocentrism. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Identify the major differences between personal trouble and public issues. [CO1,Remember]
12. List out the applications of sociology in modern society. [CO1,Remember]
13. Describe the features of Educational Sociology. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Examine the features of virtual community. [CO2,Understand]
15. Distinguish between cooperation and competition in social interaction. [CO2,Understand]
16. Compare primary groups and secondary groups. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Illustrate the impact of mass media in shaping social norms and identity. [CO3,Understand]
18. Interpret the role of educational institutions as an agent of socialization. [CO3,Understand]
19. Describe the features of oral stage of development . [CO3,Analyse]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Explain the impact of digital culture and social media on traditional cultural practices and values. [CO4,Understand]
21. Analyze the impact of cultural diversity on modern societies and evaluate how it can be both a challenge and a strength. [CO4,Analyse]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (SOCIOLOGY)

SO1DSCB101B24 - Invitation to Sociology

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define Applied Sociology. [CO1,Understand]
2. Name the three major classical Sociologists. [CO1,Remember]
3. Name the sociologist who introduced the concept 'sociological imagination'. [CO1,Understand]
4. Describe a voluntary association. [CO2,Understand]
5. Define gender. [CO3,Remember]
6. Cite one example for resocialization. [CO3,Understand]
7. Describe adult socialization with an example. [CO3,Understand]
8. Define cultural lag. [CO4,Remember]
9. Define culture. [CO4,Remember]
10. Describe popular culture. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Observe the key points that underline the scientific nature of Sociology. [CO1,Remember]
12. Discuss the two schools of thought in Sociology [CO1,Understand]
13. Identify the major differences between personal trouble and public issues. [CO1,Remember]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Illustrate the importance of adult socialization. [CO3,Understand]
15. Explain the features of socialization with relevant examples. [CO3,Understand]
16. Describe the process of gender socialization with examples from media or family. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Describe the process of acculturation and its role in cultural change. [CO4,Understand]
18. Discuss various cultural processes with examples. [CO4,Understand]
19. Differentiate between high culture and popular culture. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. (10x1=10)

20. Discuss the types and functions of associations, highlighting their role in structured social life. [CO2,Understand]
21. Explain the associative social processes. [CO2,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (SOCIOLOGY)

SO1DSCA01B24 - Invitation to Sociology

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Describe the focus of Rural Sociology. [CO1,Understand]
2. Differentiate society and community. [CO2,Understand]
3. State one characteristic of a secondary group. [CO2,Understand]
4. Cite one example of cooperation in daily life. [CO2,Understand]
5. List any two agents of socialization. [CO3,Remember]
6. Cite one example for resocialization. [CO3,Understand]
7. Name the sociologist who introduced anticipatory socialization. [CO3,Understand]
8. Classify diffusion under cultural processes – is it internal or external? [CO4,Understand]
9. Define subculture with an example. [CO4,Understand]
10. Identify one feature of digital culture. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

11. Describe parasocial relationships and their significance in the digital age. [CO2,Understand]
12. Briefly explain the types of organisations. [CO2,Understand]
13. Explain the levels of social interaction. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Illustrate the importance of adult socialization. [CO3,Understand]
15. Describe any three agents of socialization and their roles. [CO3,Understand]
16. Illustrate the impact of mass media in shaping social norms and identity. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Illustrate the three categories of diffusion mechanisms. [CO4,Understand]
18. Explain the characteristics of culture with examples. [CO4,Understand]
19. Describe multiculturalism and its significance in diverse societies. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO1. Each question carries 10 mark. (10x1=10)

20. Explain the scope and application of Sociology. [CO1,Understand]
21. Estimate the contributions made by C. Wright Mills to modern Sociology. [CO1,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (HISTORY)

HI1DSCA01B24 - Introducing History

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. List any two core disciplines of social sciences. [CO1,Remember]
2. Apply your understanding to identify which discipline would study "population growth and migration". [CO1,Remember]
3. Cite the group or individuals who laid the foundations of historical writing in the 6th century BCE. [CO1,Understand]
4. Cite the branch which study seals particularly those used historically to authenticate documents. [CO2,Understand]
5. Cite the discipline which is a natural impulse within humans to take an interest in the past. [CO2,Understand]
6. Name the historian who said that history as an unending dialogue between the present and the past. [CO2,Remember]
7. Name the university in which Romila Thapar served as a Professor of Ancient Indian History. [CO3,Understand]
8. Recall the invention that significantly democratized access to knowledge in the 15th century. [CO4,Remember]
9. Cite the "spatial data" in GIS refer. [CO4,Understand]
10. Cite the key feature of "open access" digital archives. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Explain the role of industrialization and urbanization in the emergence of social sciences in 18th-century Europe. [CO1,Understand]
12. Demonstrate how sociology and anthropology can work together to study human societies. [CO1,Evaluate]
13. Explain the role of social sciences in identifying and addressing environmental challenges at the regional level. [CO1,Evaluate]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain how the study of history is a pressing need and not a waste of time. [CO2,Analyse]
15. Write a brief note on the interdisciplinary nature of History. [CO2,Apply]
16. Analyze the uses of the study of history as a source of inspiration. [CO2,Analyse]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Analyse how communication technologies influenced historical developments in the 19th and 20th centuries. [CO4,Analyse]
18. Discuss the ethical concerns future historians might examine regarding emerging technologies like AI. [CO4,Understand]

19. Trace the evolution of Technology. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Analyse the importance of GIS in history. [CO3,Analyse]

21. Bipan Chandra is known for his influential work in modern Indian history. Justify the statement. [CO3,Evaluate]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (HISTORY)

HI1DSCB101B24 - Introducing History

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. List some examples of global contemporary problems. [CO1,Remember]
2. Cite the meaning of the word 'Historia'. [CO1,Understand]
3. Cite the studies concerned with past events. [CO1,Understand]
4. Define Epigraphy. [CO2,Remember]
5. Name the Indian historian known for the extensive work on ancient Indian History. [CO3,Remember]
6. Recognize the historian whose teaching and research was instrumental in shaping the field of modern Indian history. [CO3,Remember]
7. Name the book which focuses on contemporary issues and challenges faced by humanity including technology and politics. [CO3,Remember]
8. Name any two digital technologies used in the study of history. [CO4,Remember]
9. Name two examples of AI applications in historical studies. [CO4,Remember]
10. Name any two uses of Cartography in reconstructing history. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Analyse the contribution of History in understanding cultural identity. [CO1,Analyse]
12. Analyze the role of social sciences in understanding global challenge like climatic change. [CO1,Analyse]
13. Explain the importance of studying history as a part of social science. [CO1,Analyse]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

14. Prepare a review on Romila Thapar's work ' Early India; From the origins to AD 1300'. [CO3,Create]
15. Compile the works of Romila Thapar which became themes to public discussions on history and culture. [CO3,Create]
16. Write a review on the work ' Homo Deus: A brief History of Tomorrow'. [CO3,Create]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Explain the importance of digital archives in preserving historical documents. [CO4,Apply]
18. Explain how AI tools are transforming the study of history. [CO4,Apply]
19. Analyze the advantages and limitations of using digital technology in historical research. [CO4,Analyse]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. (10x1=10)

20. Write a detailed account on the speculation that history is both used and misused. [CO2,Create]
21. Analyze the importance of history as a source of inspiration [CO2,Analyse]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (ECONOMICS)

EC1DSCB101B24 - Fundamentals of Economics - I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define externality. [CO1,Remember]
2. Examine what is meant by the "invisible hand". [CO1,Remember]
3. Define Economics in simple terms. [CO1,Remember]
4. Describe the law of supply. [CO2,Remember]
5. Define income elasticity of demand. [CO2,Remember]
6. Explain briefly the conceot of complimentary goods. [CO2,Remember]
7. Recall one key feature of demand-pull inflation. [CO3,Remember]
8. Name any one cause of structural unemployment. [CO3,Remember]
9. Describe consumption function. [CO3,Understand]
10. Define taxation. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Briefly explain the economic problem of scarcity and choice. [CO1,Understand]
12. Briefly explain the concept of public goods and common resources with examples. [CO1,Understand]
13. Define stock and flow variables. Give two examples for each. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain the reasons for the creation of monopoly [CO2,Understand]
15. Comapre different types of shifts in demand with the help of a diagram. [CO2,Understand]
16. Compare the shifts of demand and movement along a demand curve. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Distinguish between GDP and GNP with examples. [CO3,Understand]
18. Explain the main causes of unemployment in developing economies like India. [CO3,Understand]
19. Explain the relationship between saving function and investment. [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Discuss the role of FDI and FPI in the growth of developing countries. [CO4,Understand]
21. Explain the importance and limitations of HDI as a measure of development. [CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (LOGIC)

LO1DSCB101B24 - Introduction to Logic

Time : 1.5 Hours Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Form a Categorical Proposition using the terms 'cats' and 'dogs'. [CO1,Apply]
2. Give an example for a disjunctive proposition [CO1,Understand]
3. Differentiate Univocal and Equivocal Terms [CO1,Understand]
4. Differentiate between propositions and arguments [CO2,Understand]
5. Elucidate the structure of an argument [CO2,Understand]
6. State the Law of Identity [CO2,Remember]
7. Illustrate the Venn diagram for 'I' proposition. [CO3,Understand]
8. Differentiate mediate and immediate inference [CO3,Understand]
9. List the qualities of a categorical proposition [CO3,Remember]
10. Classify Syllogism [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Identify the terms from the following propositions: a) All babies are mortal b) All fishes are mammals c) No girls are women d) Some churidars are dark grey e) Some cars are not gearless [CO1,Apply]
12. Identify the terms from the following propositions: a) All kittens are mammals b) St. Teresa's college is an autonomous institution c) No ceiling fans are cats d) Some shirts are olive green e) Some dogs are not black [CO1,Apply]
13. Identify the propositions from the following: a) All ministers of Kerala are members of the legislative assembly. b) I don't like Beef! c) All who eat Beef are those who will go to hell. d) Will you go to heaven? e) Pray five times a day. [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Critically examine the law of Identity [CO2,Understand]
15. Identify the premises and conclusion: a) Whatever moves is moved by something else. Consequently, there must be a First Mover that creates this chain reaction of motions. b) Since lightning is followed by thunder, lightning causes thunder. c) In view of the fact that there is a bus strike tomorrow, we will be resorting to online classes. d) All cats can fly. Because all cats are mammals and all mammals can fly. e) My best friend has a headache. Paracetamol is good for headache. As a result, my friend should take Paracetamol [CO2,Apply]
16. Critically examine the law of non-contradiction [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Find the converses of the following propositions: 1. No mortals are men. 2. All cats are mammals. 3. Some poets are not idealists. 4. Some sainis are polite. [CO3,Apply]

18. Find the contrapositives of the following propositions: 1. No mortals are men. 2. All cats are mammals. 3. Some poets are not idealists. 4. Some saints are polite. [CO3,Apply]

19. Find the contrapositives of the following propositions: 1. No umpires are partisans. 2. Some metals are conductors. 3. Some nations were not belligerents. 4. All dogs are animals. [CO3,Apply]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. **(10x1=10)**

20. Explain the rules and fallacies of Categorical syllogism. [CO4,Understand]

21. Explain the process of rebutting a dilemma [CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (ECONOMICS)

EC1DSCA01B24 - Fundamentals of Economics -I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Define Stock and Flow analysis [CO1,Remember]
2. Explain the features of Capitalism [CO1,Understand]
3. Explain Scarcity Definition [CO1,Understand]
4. Describe cross elasticity of demand. [CO2,Remember]
5. Describe law of supply. [CO2,Remember]
6. Describe the law of demand. [CO2,Remember]
7. Define walking inflation. [CO3,Remember]
8. Define Direct and Indirect Tax [CO4,Understand]
9. Differentiate between FDI and FPI [CO4,Understand]
10. Define Gender Empowerment Measure [CO4,Understand]

Part B

Answer any 3 questions from the bunch of CO1. Each question carries 3 mark. (3x3=10)

11. Explain the concept of Choice and Scarcity [CO1,Understand]
12. Explain deductive method in economic analysis [CO1,Understand]
13. Explain the role of assumptions in economics [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Explain the law of supply with the help of a supply curve. [CO2,Understand]
15. Explain the assumptions of perfect competition. [CO2,Understand]
16. Examine the exceptions to law of demand. [CO2,Analyse]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Analyse the source of public revenue [CO4,Understand]
18. Explain the causes for the increase in public expenditure [CO4,Understand]
19. Explain the factors affecting international trade [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (10x1=10)

20. Examine the various types and causes of inflation. [CO3,Analyse]
21. Analyse the significance of production possibility curve. [CO3,Analyse]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (ENGLISH)

EN1DSCB101B24 - Introducing Literary Genres 1

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Analyse the portrayal of Ellen through Lochinvar's actions and descriptions.

[CO1,Analyse]

2. Illustrate how the poet contrasts Lochinvar with the bridegroom in the poem.

[CO1,Analyse]

3. Recall what the speaker compares the beloved to in Shakespeare's Sonnet 18 [CO1,Remember]

4. Evaluate whether T.S. Eliot was justified in claiming that poets in his civilization 'must be difficult. [CO2,Evaluate]

5. Evaluate the philosophical theme conveyed in "The Snow Man".

[CO2,Evaluate]

6. Estimate the significance of the "gold bar" from which the damozel leans.

[CO2,Evaluate]

7. Evaluate the narrator of the story "The Dusk " [CO3,Evaluate]

8. Explain Norman Gortsby's attitude towards life [CO3,Evaluate]

9. Assess the author of the story "Cactus" [CO3,Evaluate]

10. Describe the narrator of the Panchatantra stories to the three princes.

[CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Analyse the theme of the passage of time in Shakespeare's Sonnet 18. [CO1,Analyse]

12. Illustrate the dramatic climax during the bridal feast scene in 'Lochinvar".

[CO1,Analyse]

13. Analyse the effect of the traveller's portrayal of the broken statue in *Ozymandias*. [CO1,Analyse]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Evaluate the features of modernist poetry.

[CO2,Evaluate]

15. Evaluate the concluding couplet of the poem "The Sun Rising" and its function in highlighting its central message.

[CO2,Evaluate]

16. Evaluate how the speaker's view of the sun evolves throughout the poem in John Donne's "The Sun Rising".

[CO2,Evaluate]

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

17. Compare and contrast the characters of Mr. and Mrs. Loisel in the story "The Necklace". [CO3,Analyse]

18. Describe the features of a plot [CO3,Evaluate]

19. Analyse why Gortsby considers Dusk as 'the hour of the defeated'. [CO3,Analyse]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. **(10x1=10)**

20. Describe the character of the witch in the 'Tinder Box' [CO4,Understand]

21. Summarize the events of the story that portray the deception of the jackal. [CO4,Understand]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - B (ENGLISH)

EN1DSCB201B24 - From the Anglo-Saxons to the Renaissance

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Recall Pope Gregory's statement about the Angles he saw in a slave market. [CO1,Understand]
2. Name the Roman Emperor who withdrew legions from Europe in the 5th century. [CO1,Remember]
3. Name the three Celtic tribes that invaded Britain. [CO1,Remember]
4. State the dynasty founded by Henry II. [CO2,Remember]
5. List any two results of the Norman Conquest. [CO2,Remember]
6. State the year in which the Magna Carta was signed. [CO2,Remember]
7. Name the ruler who created the Church of England. [CO3,Remember]
8. Name the last Tudor monarch. [CO3,Remember]
9. Name the three major periods of the Renaissance. [CO3,Remember]
10. Name any four major events of importance in the medieval period. [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Differentiate the settlement patterns of the Jutes and the Saxons. [CO1,Understand]
12. Compare the missionary works of St. Patrick and St. Columba in spreading Christianity. [CO1,Understand]
13. Distinguish between the contributions of Theodore of Tarsus and St. Augustine in the organization of the English church. [CO1,Understand]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Describe the achievments and failures of the Third Crusade. [CO2,Understand]
15. State the main functions of guilds during the Middle Ages. [CO2,Understand]
16. Summarise the cultural and political results of the Norman Conquest [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. (5x2=10)

17. Discuss what defined Renaissance Art. [CO3,Understand]
18. Discuss the characteristics of Renaissance Humanism. [CO3,Understand]
19. Discuss the factors that lead to Renaissance. [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. (10x1=10)

20. Explain Ballads, emphasizing the different types of ballads, its features and examples. [CO4,Analyse]
21. Explain the different types of sonnets. [CO4,Analyse]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MINOR - C (ENGLISH)

EN1DSCB101B24 - Introducing Literary Genres 1

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Analyse how the inscription on the pedestal of Ozymandias's statue contributes to the poem's central message. [CO1,Analyse]
2. Explain one literary device used by Shelly in his poem Ozymandias. [CO1,Apply]
3. Analyse what the statue's inscription reveals about Ozymandias's character. [CO1,Analyse]
4. Evaluate the effectiveness of the white rose as a symbol in conveying the Virgin Mary's message in "The Blessed Damozel". [CO2,Analyse]
5. Describe Mathilde's meeting with Mme. Forestier at the end of the story "The Necklace". [CO3,Understand]
6. Explain fiction with examples. [CO3,Understand]
7. Distinguish between flat characters and round characters. [CO3,Evaluate]
8. Discuss the primary purpose of the stories in the *Panchatantra* Tales. [CO4,Understand]
9. Describe how the soldier first obtained the tinderbox. [CO4,Understand]
10. Describe the behavior of the jackal after becoming the leader. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Analyse the role of setting (Netherby Hall and the surrounding landscape) in shaping the events of the poem. [CO1,Analyse]
12. Analyse the effect of the traveller's portrayal of the broken statue in *Ozymandias*. [CO1,Analyse]
13. Analyse the theme of the passage of time in Shakespeare's Sonnet 18. [CO1,Analyse]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

14. Discuss the role of pride in Trysdale's character. [CO3,Understand]
15. Describe how the Loisels resolved the issue of the lost necklace. [CO3,Understand]
16. Describe Gortsby's feeling after discovering that he was duped by the young man. [CO3,Understand]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Describe the character of the soldier in "Tinder Box". [CO4,Understand]
18. Describe how the soldier finally escaped punishment and became the king. [CO4,Understand]

19. Discuss how Jack Zipes connects fairy tales to wonder tales.

[CO4,Understand]

Part C

Answer any 1 question from the bunch of CO2. Each question carries 10 mark. **(10x1=10)**

20. Assess the idea that the poem is about perception as much as it is about nature. [CO2,Evaluate]

21. Evaluate whether Rossetti presents love as stronger than separation in The Blessed Damozel. Give reasons for your view. [CO2,Evaluate]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - MAJOR (ENGLISH)

EN1DSCA01B24 - Introducing Literary Genres - I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Analyse how Shakespeare presents the idea of eternal beauty in the poem "Sonnet 18".

[CO1,Analyse]

2. Analyse the significance of Lochinvar riding "all unarm'd" as mentioned in the first stanza.

[CO1,Analyse]

3. Analyse the irony in the inscription on the statue's pedestal in "Ozymandias."

[CO1,Analyse]

4. Evaluate the philosophical theme conveyed in "The Snow Man".

[CO2,Evaluate]

5. Evaluate the depiction of the Blessed Damozel's longing from Heaven.

[CO2,Evaluate]

6. Estimate the function of the line "Nothing that is not there and the nothing that is" with reference to "The Snow Man".

[CO2,Evaluate]

7. Describe the plot of the short story "The Necklace". [CO3,Apply]

8. Identify the term used for the 'wonder tale'. [CO4,Remember]

9. Define the fairytale. [CO4,Understand]

10. Explain the main purpose of the stories in the *Panchatantra*. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. (5x2=10)

11. Analyse the narrative frame of the traveller recounting the story and its effect on the poem's meaning in "Ozymandius".

[CO1,Analyse]

12. Analyse the symbolism of the "frown, and wrinkled lip, and sneer of cold command" on the statue's face in "Ozymandius".

[CO1,Analyse]

13. Explain the core ideas of metaphysical poetry.

[CO1,Analyse]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. (5x2=10)

14. Evaluate the concluding couplet of the poem "The Sun Rising" and its function in reinforcing the poem's central message.

[CO2,Evaluate]

15. Evaluate the features of modernist poetry.

[CO2,Evaluate]

16. Evaluate Rossetti's use of time and space in the poem "The Blessed Damozel". [CO2,Evaluate]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Explain the role of the magical dogs in the soldier's rise to power in "The Tinder-Box". [CO4,Remember]

18. Explain the conventions of fairy tales in terms of plot and structure. [CO4,Understand]

19. Describe the usual setting and time of fairy tales. [CO4,Understand]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Debate how the theme of pride influences Madame Loisel's fate. [CO3,Evaluate]

21. Evaluate how Trysdale's arrogance and sense of superiority contribute to his heartbreak. [CO3,Evaluate]

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BACHELOR'S DEGREE EXAMINATION,OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) (ENGLISH)

EN1AEC01B24 - English for Arts and Humanities Part I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. (1x10=10)

1. Identify the odd one out:
   A. Analyse
   B. Observe
   C. Investigate
   D. Implement [CO1,Understand]
2. Select the word that means 'able to recover quickly from difficult conditions':
   "Despite numerous setbacks, he remained _____ and never gave up on his dreams"
   A. Reckless
   B. Indifferent
   C. Impulsive
   D. Resilient [CO1,Remember]
3. Select the word that means "having varied uses or many functions".
   A. Pragmatic
   B. Meticulous
   C. Versatile
   D. Vindictive [CO1,Understand]
4. Identify the subject and the verb in the sentence: "Three excited travellers explored the ancient ruins."
   A. Subject - Three excited travellers; Verb - explored
   B. Subject - Travellers; Verb - explored
   C. Subject - Ancient Ruins; Verb - excited
   D. Subject - Travellers; Verb - excited [CO2,Understand]
5. Choose the most suitable auxiliary verb to fill in the blank: 'Neither the bread nor the butter _____ good.
   A. Is
   B. Are
   C. Being
   D. Had [CO2,Apply]
6. Identify the type of sentence given - "We need to finish the report".
   A. Assertive/Declarative sentence
   B. Interrogative sentence
   C. Imperative sentence
   D. Exclamatory sentence [CO2,Understand]
7. Choose the poetic device used in the line
   'We dip and dive,
   Rise and roll'
   from Long Trip.
   A. Simile
   B. Metaphor

C. Personification

D. Alliteration [CO3,Apply]

8. Explain what, according to Huxley, can negatively affect a woman's beauty despite her physical appearance.
   A. Her financial status
   B. Her inner spiritual elements
   C. Her social background
   D. Her level of education [CO3,Understand]
9. Identify the common misconception about the rich that Leacock points out.
   A. They are always busy.
   B. They are always happy.
   C. They are constantly travelling.
   D. They have no friends. [CO3,Remember]
10. Identify the correct series of steps for effective note-taking
    A. Organising - Preparing - Applying - Identifying key points - Reviewing and editing
    B. Identifying key points - Organising - Preparing - Applying - Reviewing and editing
    C. Preparing - Identifying key points - Organising - Reviewing and editing - Applying
    D. Organising - Preparing - Identifying key points - Reviewing and editing - Applying [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Explain how junk food affects health by writing five sentences that clearly show a cause-and-effect relationship. Use expressions such as: "The reason for...,This results in...., This leads to, As a consequence..., Owing to..." etc. [CO1,Apply]
12. Construct sentences using the words given below.
    A. analyse
    B. inspire
    C. enhance
    D. adapt
    E. embrace [CO1,Apply]
13. Fill in the blanks with the correct foreign words:

    (ad hoc, magnum opus, déjà vu, de facto, alma mater)

    a. As she walked into the unfamiliar café, she was struck by a strange feeling of_____, as if she had been there before.
    b. Many consider War and Peace to be Tolstoy's _____.
    c. Although he had no official title, he was the _____ leader of the group.
    d. After ten years abroad, he returned to his _____ to deliver a lecture to the graduating students..
    e. An _____ committee was formed to address the urgent issue. [CO1,Apply]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

14. Fill in the blanks by using the correct tense forms of the verbs given in the brackets.

    A. We would be taking a great risk if we _____ (invest) our money in that firm.
    B. If he _____ (want) to play tennis, I will play with him.
    C.They _____ (build) that bridge for several months, but they _____ (not yet finish) the work.
    D. We must wait until the peon _____ (bring) the file. [CO2,Apply]

15. Review the following passage and rewrite it to fix any mistakes.

Travelling to new destinations are always an exciting experiences. Each of the place have its own unique charm and attractions. Every traveller want to make the most of their trips and enjoy the diverse culture and sceneries. However, there is many challenges that come with exploring unfamiliar locations and it require proper planning and preparation. These article will provides some tips to helps you make the most of your travel adventures.

[CO2,Understand]

16. Rewrite the following sentences by applying the correct placement of adverbials.

A. We eat dinner in the dining room always.
B. She finishes her work on time usually.
C. He reads a book before bed often.
D. They can meet us in the evening at the café.
E. I saw him at the party last night briefly. [CO2,Understand]

Part B

Answer any 2 questions from the bunch of CO3. Each question carries 5 mark. **(5x2=10)**

17. Explain in what ways the six phases help in transforming one's travel. [CO3,Understand]
18. Discuss how Ambrose Bierce builds suspense in "Moxon's Master" through the use of dialogues. [CO3,Understand]
19. Explain how the art of Kintsugi is rooted in a worldview that is based on the acceptance of failures and imperfections. [CO3,Understand]

Part C

Answer any 1 question from the bunch of CO4. Each question carries 10 mark. **(10x1=10)**

20. Prepare a conversation (10-12 exchanges) between you and your classmates about a four-day class trip. Each of you has different preferences and opinions regarding where to go and what experiences to have during the trip. [CO4,Apply]
21. Write a blog post describing your travel experience in a culturally rich and diverse country, focusing on the 'Meeting' phase from Jaco J. Hamman's six stages of transformative travel. Include how this encounter changed your perspective and contributed to your personal growth. [CO4,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) (ENGLISH)

EN1AEC02B24 - English for Science Part I

Time : 1.5 Hours

Maximum Marks : 50

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Recognize the correct meaning of "vociferousness."

   a) Quiet behavior
   b) Noisy and forceful expression of opinion
   c) Ability to speak multiple languages
   d) Lack of interest in speaking [CO1,Remember]

2. Define the word "scruple" by selecting the correct option.

   a) A quick decision
   b) A written document
   c) A slight moral hesitation or doubt
   d) A type of measurement [CO1,Remember]

3. Recognize what the word "palatial" means.

   a) Small and simple
   b) Extremely luxurious and grand like a palace
   c) Moderately sized
   d) Plain and ordinary [CO1,Remember]

4. Identify the subject and predicate in the following sentences:

   a). The cat sat on the mat.
   Subject: _____ Predicate_____.

   b). John and Mary went to the market.
   Subject _____ Predicate
   _____ [CO2,Understand]

5. Write the present perfect continuous tense for the words:
   a)work b)finds [CO2,Apply]

6. Fill in the blanks with the appropriate interrogative pronouns:

   a) Do you know _____ left the package at the door?
   b) _____ did you invite to your birthday party? [CO2,Understand]

7. Identify the items the astrologer spread out from his bag at the beginning of the story.

   a) Palmyra leaves and coconuts
   b) Mystic charts and cowrie shells
   c) Coins and sacred ash
   d) Books and scrolls [CO3,Remember]

8. Recognize the correct statement about a summary.

a) A summary adds extra details to make the text longer
b) A summary changes the meaning of the original text
c) A summary condenses a longer piece of text into a concise version while retaining its key points and main ideas
d) A summary includes personal opinions and examples [CO4,Remember]

9. Identify the main function of a topic sentence in a paragraph.

a). It provides unrelated examples
b). It tells the reader what the entire paragraph is about
c). It lists all supporting details
d). It summarizes the entire essay [CO4,Remember]

10. Identify one format commonly used for note-taking from the list.

a) Random paragraph format
b) Split-page format
c) Rhyming scheme format
d) Comic strip format [CO4,Remember]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Read the paragraph below. It uses phrases instead of single words. Rewrite the paragraph by replacing the underlined phrases with the correct words from the box.
Words: exhausted, hoarse, sheepish, jeer, nuisance.

After the long football practice, Rahul was very tired and could barely walk. His voice sounded rough and harsh because he had been shouting instructions during the game. When he accidentally tripped over his coach's bag, Rahul gave an embarrassed smile. Some boys in the corner began making rude and mocking remarks, which only made things worse. The coach warned them not to be a person, thing, or circumstance causing inconvenience or annoyance during training. [CO1,Apply]

12. Identify the meaning of the underlined phrases/ words in the following lines:

a). "In that rich earth a richer dust concealed.."
b) In hearts at peace, under an English heaven"
c) And lined with faces grimly gay
d). "May creep back, silent, to still village wells"
e)."elegant hands weave in and out of my tattered hands" [CO1,Remember]

13. Match the words in Column A with their correct meanings in Column B:

Column A	Column B
1. Futility	a) Extremely confusing or difficult to understand
2. Entreat	b) Situated on each side
3. Flanked	c) To ask someone earnestly or anxiously to do something
4. Bewildering	d) Pointless or uselessness
5. Disguise	e) To change the appearance

[CO1,Remember]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

14. Fill in the blanks with the correct tense forms of the verbs in brackets.

    a. She_____ (play; simple past) the piano beautifully.

    b. We_____ (prepare; past perfect continuous) for the test all week.

    c. He_____ (just arrive; past perfect) from the airport.

    d. The children _____ (build; past continuous) a sandcastle on the beach.

    e. I _____ (know; past perfect) him since we were kids. [CO2,Apply]

15. Fill in the blanks using appropriate prepositions:

    a). The cat is hiding _____ the couch.

    b). He was born _____ July.

    c). The book is _____ the shelf.

    d). He walked _____ the park to relax.

    e) She is interested _____ learning new languages. [CO2,Understand]

16. Find appropriate adjectives for the nouns given below.

    a. Idea

    b.ocean

    c.meal

    d.night

    e.forest [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. (5x2=10)

17. Write a paragraph on the topic "There's no time like the present". [CO4,Apply]

18. Write a short scene of dialogue that creates tension between two characters. [CO4,Apply]

19. Apply narrative writing skills by writing 4–5 sentences about an incident where you helped someone in need, ensuring a clear beginning and end. [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. (10x1=10)

20. Discuss Bhatkar's contributions to India's achievements in the field of electronics, as discussed in the chapter "Biographies". [CO3,Understand]

21. Illustrate how Mr. Naidu's qualities make him truly a man in a million. [CO3,Apply]

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BACHELOR'S DEGREE EXAMINATION, OCTOBER 2025

2025 ADMISSIONS REGULAR

SEMESTER I - ABILITY ENHANCEMENT COURSES (AEC) (ENGLISH)

EN1AEC03B24 - English for Commerce Part I

Time : 1.5 Hours **Maximum Marks : 50**

Part A

Answer all questions. Each question carries 1 mark. **(1x10=10)**

1. Analyse the underlying theme of the poem *Barter* by comparing the focus of its imagery.
   A. It revolves around trade and economic exchanges
   B. It emphasizes the struggles and hardships of daily life
   C. It highlights the value of cherishing life's beautiful experiences
   D. It centers mainly on praising the richness of nature alone [CO1,Analyse]
2. Differentiate Bagchi's idea of "Go Kiss the World" from other possible interpretations.
   A. It is about focusing mainly on material success and wealth
   B. It suggests embracing life with challenges and opportunities
   C. It only means being affectionate toward people around you
   D. It is primarily about travelling and exploring new places

   [CO1,Analyse]
3. Examine who truly resolves the king's three questions through practical wisdom.
   A. The Council of wise men with their theories
   B. The priests with their spiritual advice
   C. The hermit through his actions and example
   D. The king through his personal reflection alone [CO1,Analyse]
4. Apply the hermit's teaching to explain why the most important time is considered "now". [CO2,Apply]
5. Apply the lesson from the poem "If–" to show how criticism should be handled. [CO2,Apply]
6. Demonstrate Tharoor's recommendation on avoiding WhatsApp forwards as a substitute for reading. [CO2,Apply]
7. _____moon looks beautiful tonight. (Fill in the blanks with correct article) [CO3,Apply]
8. Define summary [CO4,Understand]
9. Explain the key steps in summarising. [CO4,Understand]
10. Identify the different types of note-making formats. [CO4,Understand]

Part B

Answer any 2 questions from the bunch of CO1. Each question carries 5 mark. **(5x2=10)**

11. Investigate the wounded man's motive for intending to harm the king in "The Three Questions". [CO1,Analyse]
12. Analyze how the king's interaction with the hermit and the wounded man leads to the answers to his three questions. [CO1,Analyse]
13. Analyze how the act that unlocked Bagchi's imagination influenced his later achievements. [CO1,Analyse]

Part B

Answer any 2 questions from the bunch of CO2. Each question carries 5 mark. **(5x2=10)**

14. Apply the theme of change in "The Verger" to explain Albert Edward Foreman's success. [CO2,Apply]
15. Illustrate the idea that "Self-esteem is essential to creativity" with a real-life example. [CO2,Apply]
16. Illustrate how Esmeralda brings about a change in her kingdom through her actions. [CO2,Apply]

Part B

Answer any 2 questions from the bunch of CO4. Each question carries 5 mark. **(5x2=10)**

17. Demonstrate the points to remember while writing a narrative essay. [CO4,Apply]
18. Write a paragraph about a successful entrepreneur. [CO4,Apply]
19. Show the key steps while summarizing. [CO4,Apply]

Part C

Answer any 1 question from the bunch of CO3. Each question carries 10 mark. **(10x1=10)**

20. Write a note on adjectives. [CO3,Apply]
21. Write the meaning of following words: Affect, Effect, Accept, Except, Principle [CO3,Apply]