

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

BBA., / B.Com., / B.Sc., Honours, I YEAR, SEMESTER-I

General Telugu - సాహితీ వసంతం

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs

(No additional sheet will be supplied)

Max.Marks:70

I. క్రింది వానిలో ఏవైనా ఐదు ప్రశ్నలకు సంగ్రహ సమాధానాలు రాయండి.

5x4=20 మా.

1. క్రిందివానిలో ఒక పద్యాన్ని పాదభంగం లేకుండా రాయండి?

(అ) విద్య నిగూడ.....మర్త్యుడే? (లేదా) (ఆ) ఆరంభింపరుప్రజ్ఞానిదుల్ గావునన్

2. క్రిందివానిలో ఒక పద్యానికి భావం రాయండి?

(అ) నిక్కమైన మంచి నీలముక్కటి చాలు

తళుకు బెళుకు రాళ్ళు తట్టడేల?

చదువ పద్య మరయ చాలదా ఒక్కటి

విశ్వదాభిరామ వినుర వేమ!

(లేదా)

(ఆ) రాజు మరణించె నొక తార రాలిపోయె

కవియు మరణించె నొక తార గగనమెక్కె

రాజు జీవించె జాతి విగ్రహములందు

సుకవి జీవించె ప్రజల నాలుకలయందు

3. క్రిందివానిలో ఒక కవిని పరిచయం చేయండి?

(అ) తిక్కన

(ఆ) గుర్రం జాషువా

4. లోసారి సుధాకర్ - నా రహస్య మందిరంలో

5. 'బోగ్గుల పోయ్యి' పాఠ్యాంశ కవిని గురించి రాయండి.?

6. మాయ కథాపాత్రలు పరిచయం చేయండి?

7. సరైన సమాధానాన్ని గుర్తించి, జవాబుపత్రంలో రాయండి?

i. 'దేశాన్నత్యము' సందిని గుర్తించండి?

(అ) సవర్ణ దీర్ఘ సంది

(ఆ) గుణ సంది

(ఇ) అకార సంది

(ఈ) వృద్ధి సంది

ii. 'కఱకుటమ్ము' పదాన్ని విడదీయండి.

(అ) కరుకుట + అమ్ము

(ఆ) కరకు + అమ్ము

(ఇ) కఱకు + టు + అమ్ము

(ఈ) కఱకు + అమ్ము

iii. మానవోత్తముడు - పదంలోని సందిని గుర్తించండి?

(అ) వృద్ధి సంది

(ఆ) గుణ సంది

(ఇ) అకార సంది

(ఈ) సవర్ణ దీర్ఘ సంది

iv. ఐ, ఔ లను ఏమని పిలుస్తారు?

(అ) గుణాలు

(ఆ) వృద్ధులు

(ఇ) త్రికములు

(ఈ) సవర్ణాలు

8. సరైన సమాధానాన్ని గుర్తించి, జవాబుపత్రంలో రాయండి?

i. శీతాంశుడు - విగ్రహవాక్యం గుర్తించండి?

(అ) చల్లగా ఉండువాడు (ఆ) చల్లనైన అంశువులు కలవాడు

(ఇ) చల్లని అంశం కలవాడు (ఈ) చల్లని అంశంతో జనించినాడు

ii. పాదపద్మం - ఏ సమాసం గుర్తించండి?

(అ) ఉపమాన ఉత్తర పదం (ఆ) ఉపమాన పూర్వపదం

(ఇ) సంభావన పూర్వపదం (ఈ) విశేషణ ఉభయపదం

iii. క్రిందివానిలో బహువ్రీహి సమాసానికి ఉదాహరణ ఏది?

(అ) ముల్లోకాలు (ఆ) అన్నదమ్ములు (ఇ) త్రినేత్రుడు (ఈ) చతుర్థంతి

iv. శ్వేతాశ్వం - ఏ సమాసం గుర్తించండి?

(అ) ద్వంద్వ సమాసం (ఆ) రూపక సమాసం

(ఇ) విశేషణ పూర్వపద కర్మధారయ సమాసం (ఈ) సంభావనా పూర్వపద కర్మధారయ సమాసం

II. క్రింది వానిలో ఐదు ప్రశ్నలకు వ్యాసరూప సమాధానాలు రాయండి.

5x10=50 మా.

9. క్రింది పద్యాలలో ఒకదానికి ప్రతిపదార్థ, తాత్పర్యాలు రాయండి?

(అ) ఇంతకు మున్ను సెల్లె బదియేడు దినంబుల సంగరంబతి
శ్రాంతత గుంది రిందు గల సైనికుల ధైస గల్గుయోడు లా
క్రాంత విరోధి దర్పుడు పురందర నందను బల్మీకల్మీ ని
శ్చింతత నుల్లసిల్లెదరు చెక్కు చెమర్చక కొరవేశ్వరా!

(లేదా)

(ఆ) ఆడిన మాట తప్పను, మహాత్ముని చెప్పులజాడలోన కా
లాడ చరించెదన్, ప్రజల కన్నముఁబెట్టెద, వర్ణబేధపుం
జీద నణచెదన్, గటికిచీకటి వాపెద, వెఱ్ఱి నమ్మకా
లూడని బాద హస్తమున నూనెద శాత కళాకుఠారమున్

10. 'హితోపదేశం' పాఠ్యభాగ సారాంశాన్ని వ్రాయండి?

(లేదా)

11. జాషువా ఆశించిన "కొత్త లోకం" విశేషాలేమిటి?

12. ఏనుగు లక్ష్మణకవి "సుభాషిత రత్నావళి" పద్యాలలోని వ్యక్తిత్వ వికాస విషయాలను వివరించండి?

(లేదా)

13. శతక లక్షణాలను పరిచయం చేసి, ఆణిముత్యాలలోని శతక కవులను గురించి రాయండి?

14. 'నా రహస్య మందిరం' కవిత సారాంశాన్ని వ్రాయండి?

(లేదా)

15. అమ్మ గొప్పతనాన్ని తెలియజేస్తూ మిత్రుడు / మిత్రురాలికి లేఖ రాయండి?

16. 'కసాయి కరువు' కథ లోని మాండలిక సౌందర్యాన్ని రాయండి?

(లేదా)

17. 'మాయ' కథను విశ్లేషించండి?

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CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

BBA/B. Com/B.Sc Honours, I YEAR, SEMESTER-I

General English

COURSE 1: ENGLISH BRIDGE-I: LIFE SKILLS

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any THREE of the following.

3 x 5 = 15 M

1. What is the relationship of a fisherman with the sky, the cloud and the waves?
2. Do you think the poet's dream of a heaven of freedom is fully achievable? Why or why not?
3. What kind of freedom does the poet desire for his country?
4. Explain the feelings of the poet's mother in the poem, Night of the Scorpion.
5. Why does the poet refer to the scorpion as 'the evil one'?

II. Answer any THREE of the following.

3 x 5 = 15 M

1. Describe the first impression of the basket-selling girl when the narrator saw her?
2. What happened between the girl and the author on the platform?
3. What things did the man who carried the lost child show?
4. Why does the students say that the teacher should 'be a bit humble, at least'?
5. What is the role of fate and chance in the story?

III. Answer any TWO of the following.

2 x 5 = 10 M

1. How did the Mathematics master manage to trick Wasserkopf into a self-defeating situation?
2. What will be the consequences if Wasseropf fails in the examination?
3. What problem does Greta highlight as the biggest threat to the future of young people?

SECTION – B

1. Identify the Parts of Speech for the underlined word.

1 x 5 = 5 M

1. We had a delicious meal.
2. The shop sells fruits and vegetables.
3. She sings beautifully.
4. The boy jumped into the river.
5. They are going to Delhi.

2. Fill in the blanks with suitable Articles.

1 x 5 = 5 M

1. He is _____ honourable man.
2. _____ wise are respected.
3. What _____ beautiful garden!

4. He finished _____ work in two hours.

5. Sowmya is looking for _____ good job.

3. Fill in the blanks with suitable prepositions.

1 x 5 = 5 M

1. They came _____ musical instruments.

2. She lived in Hyderabad _____ four years.

3. I want a cup _____ coffee.

4. The loan will be repaid _____ a year.

5. Sanjana's daughter was born _____ 29th February.

4. Fill in the blanks with suitable question tags.

1 x 5 = 5 M

1. They are celebrating their victory, _____?

2. Don't waste your time, _____?

3. You have received the parcel, _____?

4. Let's sing a song, _____?

5. Haritha knows everything, _____?

5. Fill in the blanks with correct verb forms (Tenses):

1 x 5 = 5 M

1. I _____ (go) to a computer institute in those days.

2. My aunt _____ (eat) an apple every day.

3. We _____ (paint) the house last week.

3. The Salesman _____ (demonstrate) a new product.

4. Sanjay _____ (watch) movies regularly.

6. Fill in the blanks – use correct homophones/homonyms.

1 x 5 = 5 M

1. Milk is perfect _____ (complement/compliment) to biscuits.

2. The bird _____ (flu/flew) across the sky.

3. He is the _____ (sole/soul) owner of the business.

4. /kɪtʃɪn/ (Transcript the word)

5. /ɑ:nəst/ (Transcript the word)



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UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

BBA, B.COM & B.SC Honours, I YEAR, SEMESTER-I

AI Fundamentals (Skill Enhancement Course)

(w.e.f. 2025-26 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. What is an Artificial Intelligence?
2. What is meant by NLP?
3. Explain any five AI applications in Education?
4. Write about AI applications in Transportation?
5. Explain about components of AI Transparency?
6. \
- 7.
8. What are the major threats in AI models?
9. Define Generative AI with an example?
10. Write about Google Gemini?
11. What is Slides GPT? Mention its uses in presentation?
10. How can AI tools use for creating a presentation slides?

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Briefly explain about applications of AI.
or
12. Explain about Machine Learning and its types.
13. Discuss about Robotics.
or
14. Explain about applications of AI in Healthcare.
15. Define Transparency in AI Systems. Explain its importance.
or
16. Explain about AI privacy concerns.
17. Explain about role of Prompt Engineering in AI Interaction.
or
18. Explain about emerging trends and future directions in AI.
19. Explain about applications of Prompt Engineering in Business and Commerce.
or
20. Explain how AI can be used for designing Thumbnails and Channel Branding.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

BBA Honours, I YEAR, SEMESTER-I

Accounting For Managers

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. What is difference between Trading A/C and Profit & Loss A/c? Explain.
2. Explain about business entity concept.
3. Explain any two profitability Ratios.
4. Elucidate the purpose of financial statement analysis.
5. Define Cost?
6. Discuss about Direct expenses.
7. Show the formula to calculi BEP in terms of. units and Sales volume.
8. Discuss about Marginal cost.
9. State any two objectives of Budgeting.
10. Define cash budget.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Show the difference between financial accounting and management accounting.
or
12. Discuss about concepts and conventions of accounting.
13. What is mean by comparative income statement? Show the format of comparative income statement.
or
14. Explain different types of ratios.
15. Elucidate different types of costs.
or
16. Show how the cost sheet will prepare with suitable format.
17. Define BEP. Show the graphical representation of BEP.
or
18. What is mean by PV Ratio? Show the different formulas to calculate PV ratio.
19. Define budgeting. Explain the main objectives of budgeting.
or
20. Explain about different types of budgets in detail.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

BBA Honours, I YEAR, SEMESTER-I

Principles of Management

(w.e.f. 2025-26 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. Define Management.
2. State any two responsibilities of managers.
3. What is mean by MBO? Explain.
4. Explain about planning.
5. What is difference between recruitment and selection? Explain.
6. Discuss about formal and informal organization.
7. Define communication.
8. What is difference between boss and leader.
9. State any two techniques of controlling.
10. Define budgetary control.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Discuss 14 principles of Henry Fayol.
or
12. Explain the challenges of management in contemporary scenario.
13. Elucidate the process of planning.
or
14. Explain different types of planning.
15. Elucidate different structures of organization.
or
16. Explain various methods of recruitment and selection.
17. Explain about different types of communication.
or
18. What is mean by motivation? Explain any two theories of motivation.
19. Define control. Explain Types of control.
or
20. Briefly explain about the modern tools of managerial control.



CSSR & SRRM DEGREE & PG COLLEGE

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UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B. Com Honours, I YEAR, SEMESTER-I

Business Organization and Management

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. Nature of Business.
2. One person Company.
3. Business Environment.
4. Merger.
5. Delegation of Authority.
6. Decision Making.
7. Traits Theory.
8. Define Motivation.
9. Staff Organisation.
10. Define Control.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Define Joint Stock Company. Explain the features of Joint Stock Company.
or
12. Outline the differences between Public Company and Private Company.
13. Explain in detail about Corporate Social Responsibility (CSR).
or
14. What is Business Takeover? Explain the types of Business Takeover.
15. What is planning? Discuss its types and process.
or
16. Write a brief note on SWOT Analysis.
17. Describe the Maslow's Need Hierarchy theory.
or
18. Define Leadership. Explain the Styles of Leadership.
19. Define Staffing. Explain the Line and Staff Relationship in detail.
or
20. What do you mean by controlling? Explain the Process and Techniques of Controlling.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B.Com(CA) Honours, I YEAR, SEMESTER-I

Fundamentals of Information Technology & Office Automation

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

- Write down the binary equivalent of the following.
i). $(FA3)_{16}$ ii). $(777)_8$ iii). $(1020)_{10}$
- Draw and label the basic block diagram of a computer system.
- Differentiate between LAN and WAN.
- Compare with Bus, Star and Ring with Diagrams.
- Write the Shortcut Key to perform the following task in a MS – Word processing software:
i). To save a Document. ii). To close a Document. iii). To create a Document.
- List three types of slide layouts available in PowerPoint.
- Differentiate between Sorting and Filtering data in a spreadsheet.
- What is the use of the IF function? Write its syntax and provide a simple logical example.
- What are Pivot Charts? How are they linked to Pivot Tables?
- Describe the 'Goal Seek' tool under What-If Analysis with a suitable example.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Perform the following conversions with steps:

- (a) Decimal to Binary and Hexadecimal (b) Binary to Octal and Hexadecimal
(c) Hexadecimal to Decimal and Binary.

or

12. Define a computer. Explain about various Generations of computers.

13. What are computer networks? Compare microcomputers, minicomputers, mainframes, and supercomputers.

or

14. What is an Internet? Discuss Internet basics: IP address, URL, WWW, and web browsers.

15. What is Mail Merge? Explain about mail merge in MS – Word.

or

16. Illustrate creating a Power Point Presentation?

17. Explain the basic structure of a spreadsheet. Define rows, columns, cells, workbooks, and worksheets like MS Excel.

or

18. What are lookup and reference functions? Explain how VLOOKUP, HLOOKUP, XLOOKUP, INDEX, and MATCH functions work with practical examples.

19. Describe the Data Validation in spreadsheets. Explain to create drop-down lists, input messages, and error alerts with practical examples.

or

20. What is What-If Analysis? Discuss the use of Goal Seek, Scenario Manager, and Data Tables in financial planning and decision-making with suitable examples.



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UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B.Sc., Botany Honours, I YEAR, SEMESTER-I

Diversity of Microbes

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. Germ theory of disease.
2. Gemini virus.
3. Archaeobacteria economic importance.
4. Phytoplasma.
5. Nutrition in bacteria.
6. Conjugation of bacteria.
7. Phyllosphere.
8. Commensalism.
9. Tungro disease in paddy.
10. Citrus canker.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Give an account on Carl Woese's Six kingdom classification.
or
12. Describe the transmission methods of virus.
13. Give an account of Actinomycetes.
or
14. Give an account on culture and cultivation of spirulina.
15. Explain the economic importance of Bacteria.
or
16. Reproduction of bacteria.
17. Give an account on the distribution of soil micro-organisms.
or
18. Give an account on microbial interaction and their effect on plant growth.
19. Write about the probiotics and prebiotics.
or
20. Give an account on Cyanobacterial bio fertilizers and their applications.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B.Sc., Botany Honours, I YEAR, SEMESTER-I

Diversity of Thallophytes

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. Algae pigments.
2. Economic importance of algae.
3. Spirogyra thallus.
4. Cystocarp.
5. Parasexuality.
6. Fungi economic importance.
7. Rhizopus plant body.
8. Germination of rizopus.
9. Phycobiont and micobiont.
10. Ecological importance of Lichens.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Write about Algeal general charecters.
or
12. Write an essay on thallus organization in algae.
13. Give an account of Ectocarpus life cycle.
or
14. Write about chlorella culture and cultivation.
15. Explain the reproduction in fungi.
or
16. Write about the classification of fungi.
17. Give an account of life history of pencillium.
or
18. Give an account on puccinia.
19. Write about the reproduction of lichens.
or
20. Write about the morphology and internal structure of lichens.



CSSR & SRRM DEGREE & PG COLLEGE

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UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B.SC (CS) Honours, I YEAR, SEMESTER-I

Computer Fundamentals and Office Automation

(w.e.f. 2025-26 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**.

5×4 = 20 M

1. Convert the decimal number 100 to binary and hexadecimal.
2. What is the role of the Input Unit in a computer system? Give two examples of input devices.
3. What is the memory hierarchy? List its levels in order.
4. What is a network topology? Name any three types.
5. What is word processing? Name two popular word processing software.
6. What is Power Point? List any five keyboard shortcuts useful in PowerPoint.
7. What is a spreadsheet? Name two popular spreadsheet applications.
8. List any three text functions in Excel and their uses.
9. Differentiate between a Pivot Table and a Pivot Chart.
10. What is Data Validation? Explain the purpose of Input Messages and Error Alerts.

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**.

5×10 = 50 M

11. Explain the block diagram of a computer with a neat sketch and describe the function of each component.
or
12. Compare and contrast the five generations of computers in terms of technology, characteristics, and examples.
13. Describe the different types of computer networks: LAN, WAN, and MAN, with examples and key features.
or
14. Discuss the basics of the Internet, including IP Address, Domain Name, Web Browser, Email, and WWW.
15. Describe the process of mail merge in word processing software with a practical example.
or
16. Explain how to design and deliver an effective presentation using PowerPoint/Google Slides, including animations and transitions.
17. Describe the use of basic functions in spreadsheets such as SUM, AVERAGE, IF, and COUNT with examples.
or
18. Describe how lookup functions such as VLOOKUP, HLOOKUP, XLOOKUP, INDEX, and MATCH work with examples.
19. Explain What-If Analysis tools such as Goal Seek, Scenario Manager, and Data Tables with practical examples.
or
20. Explain the use of conditional formatting with custom rules, color scales, icon sets, and data bars for data visualization.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, JANUARY-2026

B.Sc. (CS) Honours, I YEAR, SEMESTER-I

Problem Solving Using C

(w.e.f. 2025-26 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries **4 marks**. **5×4 = 20 M**

1. Define Compiler and Interpreter. Write any 2 differences between them?
2. What is Variable? Write the rules for constructing variable names and declaration with examples?
3. Describe about Nested loops in C?
4. Differentiate between Break and Continue statements?
5. Write a C program for sorting a list of N numbers?
6. What is String? Explain how to declaring and initializing string variables?
7. Define pointer. Explain pointer declaration and initialization with examples?
8. Write a short note on Recursive functions?
9. A brief note on Array of Structures?
10. Write any 4 differences between Structures and Unions?

SECTION - B

II. Answer **ONE question** from each unit. Each question carries **10 Marks**. **5×10 = 50 M**

11. Explain about Flowcharts and Algorithms with examples?
or
12. Define Data type. Explain the various data types in C?
13. Discuss about If statement and its various forms with examples?
or
14. Explain about Iterative statements in C with examples?
15. Explain the various types of Arrays with examples?
or
16. Describe the String and Character handling functions in C with examples?
17. Discuss about Pointers and Arrays with example program?
or
18. Explain about Parameter Passing techniques with examples?
19. Describe about Dynamic Memory Management functions in C with examples?
or
20. Write about File management in C? And also explain the File operations?



CSSR & SRRM DEGREE & PG COLLEGE
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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025
BA/BBA/B.Com/BSc(CS) Honours, SEMESTER-III

Multidisciplinary Course
HEALTH AND HYGIENIC

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hrs.

(No additional sheet will be supplied)

Max. Marks: 50

SECTION - A

I. Answer any FOUR questions. Each Question Carries 5 Marks.

4 X 5 =20 M

1. Importance of Nutrition
2. Food Sources of Calcium
3. Vitamin A source and Deficiency
4. Environmental Health & it's Concerns
5. National Urban Health Mission Framework (NHUM)
6. Importance and Function of Water
7. JSK Helpline
8. Swasth Bharath

SECTION - B

II. Answer any THREE questions. Each Question Carries 10 Marks.

3 X 10 =30 M

9. Explain the Functions, Dietary sources, effects of Deficiency of Lipids.
10. Give an Account on Vitamins.
11. What is Health Organization? Explain roles of NIN and FNB.
12. Explain Health Education – Principles & Strategies.
13. Describe Community and Personal Hygiene.
14. Explain VHSNC (Village & Hygiene Sanitation & Nutritional Committee) Roles and Responsibilities.



CSSR & SRRM DEGREE & PG COLLEGE
(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025
BSc (BOT) Honours, SEMESTER-III

Multidisciplinary Course
BASIC MATHEMATICS

(w.e.f. 2024-25 Admitted Batch)

Time: 2 hrs.

(No additional sheet will be supplied)

Max. Marks: 50

I. Answer any FIVE of the following. Each question carries 10 marks.

5 × 10 = 50 M

- (a) Define a Set and equality of sets with example.
(b) If $A = \{2,4,6,8,10\}$ and $B = \{1,4,6,9,11\}$ then find $A \cup B$ and $A \cap B$.
- Simplify the surds a) $\sqrt{108}$ b) $\frac{2+\sqrt{3}}{2-\sqrt{3}}$ c) $\sqrt{147} - 2\sqrt{12}$.
- Solve for x for the following
 - $\log_2(x - 1) = 3$
 - $\log_3(x^2 + 5) = 2$
 - $\log_2(x + 1) = 1$.
- Find the point that divides the line joining (2,3) and (10,7) in the ratio 3:2 internally.
- Find the distance between two points (6,11) & (8,13).
 - Find the equation of locus of a point which is equidistance from the points $A(-3,2)$ and $B(0,4)$.
- Find the area of the triangle with vertices (2,7), (1,1), (10,8).
- Find the equation of locus of P so that area of the triangle $PAB = 8.5$ for given two points $A(2,3)$ and $B(-3,4)$.
- Reduce the equation $5x - 4y = 10$ into slope intercept form.
 - Find the equation of the Straight line passing through the points (5,6) and (3,8).
- Given $A = \begin{bmatrix} -1 & 2 \\ 3 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 4 & 2 \\ 3 & 0 \end{bmatrix}$. Find a) AB b) BA c) A^T d) B^T and e) Trace of AB .
- Find the inverse of the matrix $A = \begin{bmatrix} -2 & 6 \\ 3 & 8 \end{bmatrix}$ by finding its determinant.



**Q.P. Code
ECO301**

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: MACROECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Circular Flow of Income (Three Sector Model)
2. Personal Income & Per capita Income
3. Pigou's wage-cut theory
4. Effective Demand
5. RBI classification of Money
6. Monetary Policy
7. Types of Inflation
8. Phillip's Curve
9. Sensex and Nifty
10. Fiscal Policy

SECTION-B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define macroeconomics and explain the scope and importance of macroeconomics.
Or
12. What is National Income? Explain the measuring methods of national income.
13. Critically examine the J B Say's Law of market.
Or
14. Describe the Keynesian theory of employment.
15. Discuss the cash balance theory of money promoted by the Cambridge economists.
Or
16. What are the Objectives and Functions of Central Bank of India (RBI).
17. What is inflation? Explain the causes and consequences of Inflation.
Or
18. Describe various phases of Trade Cycles with suitable diagram.
19. Explain instruments and functions of Financial Market.
Or
20. What are the main indicators used to assess Macro Economic performance?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: ECONOMIC THOUGHT AND POLITICAL ECONOMY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Mercantilism
2. Fabian Socialists
3. Vilfredo Pareto
4. New Keynesian School
5. Oliver E. Williamson
6. Herbert Simon
7. Kautilya
8. Dadabhai Naoroji
9. Role of Political Institutions for Development
10. Bureaucracy

SECTION-B

II. Answer **All** questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Describe Adam Smith's major contributions to economic theory.
Or
12. Summarize Karl Marx's critique of capitalism and his views on class struggle.
13. Describe Alfred Marshall's contributions to Neo-Classical economics and the concept of marginal utility.
Or
14. Discuss John Maynard Keynes's main ideas on aggregate demand and its role in economic fluctuations.
15. Describe Gunnar Myrdal's contributions to institutional economics and his views on development.
Or
16. Discuss Friedrich Hayek's views on the role of information and decentralization in economic decision-making.
17. Analyze Gandhi's political philosophy, including his principles of non-violence and self-reliance.
Or
18. Discuss Amartya Sen's views on development, democracy, and human capabilities.
19. Explain the basic features of political economy and how it integrates political and economic analysis.
Or
20. How does Marxism approach the issue of economic development and class struggle?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: DEVELOPMENT ECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Economic development
2. World Bank Classification of Countries based on level of Development
3. Types of unemployment.
4. Causes for inequality.
5. Explain the Marxian theory of growth.
6. Briefly describe the Malthusian theory of economic growth
7. Mixed economy strategy of economic development.
8. Mahalanobis Foreign Capital strategy
9. Objectives of economic planning in India.
10. Role of International Monetary Fund in Economic Development

SECTION-B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Describe the characteristics of developing countries with reference to India
- Or**
12. Explain the measurement of economic development of a country.
 13. Explain the sustainable development.
- Or**
14. Analyse the key causes and Solution of Poverty in Developing Countries.
 15. What are the stages of Economic growth according to Rostow?
- Or**
16. Explain the Harrod- Domar Model of Economic Growth.
 17. What is the human capital-capability strategy? Explain its significance for long-term development.
- Or**
18. Critically examine the unbalanced growth strategy.
 19. Explain the 15th finance commission recommendations.
- Or**
20. How the World Bank impact the Economic development of developing countries?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

MAJOR: PUBLIC ECONOMICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. What are the differences between public from private finance?
2. Explain different types of goods.
3. Define direct taxes with examples?
4. What is Ability to pay theory?
5. Briefly explain Peacock-Wiseman hypothesis.
6. Mention any two determinants of public expenditure.
7. What are the main sources of public debt?
8. Meaning and types of Budgets.
9. Concept of vertical fiscal imbalances.
10. Explain fiscal federalism in India?

SECTION-B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain scope and importance of public finance.
Or
12. Explain the Principle of Maximum Social Advantage with a diagram?
13. Explain the various sources of public revenue.
Or
14. what are the canons of taxation? Explain
15. Explain the principles of public expenditure.
Or
16. Write a note on trends and patterns of public expenditure in India and recent reforms?
17. Discuss the effects and burden of public debt on the economy?
Or
18. Explain the Keynesian Approach of public debt?
19. Explain the objectives and functions of fiscal policy?
Or
20. Examine the objectives and recommendations of the recent Finance Commission?

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BA Honours, SEMESTER-III

మైనర్ పేపర్ - ఆధునిక కావ్యం

(w.e.f. 2024-25 Admitted Batch)

సమయం: 3 గంటలు

(No additional sheet will be supplied)

మార్కులు:70

విభాగము-అ

I. ఈ క్రింది పది ప్రశ్నలలో ఏవైనా ఐదింటికి సంక్షిప్త సమాధానాలు రాయండి.

5X4=20 మా.

1. శ్రీరంగం శ్రీనివాసరావు.
2. శ్రీ శ్రీ కవిత్వ శైలి గురించి రాయండి.
3. అభ్యుదయ కవిత్వ లక్షణాలు తెలియజేయండి.
4. 'వజ్రాయుధం' కావ్య ఖండిక గురించి రాయండి.
5. 'జయభేరి' ఇతివృత్తాన్ని తెలపండి.
6. 'ఋక్కులు' కవితను వివరించండి.
7. 'శైశవగీతిని' వివరించండి.
8. 'అద్వైతం' కవితలోని అసలైన అద్వైత ధోరణిని పరిచయం చేయండి.
9. 'ప్రతిజ్ఞ' కవితలో రచయిత తత్వాన్ని తెలపండి.
10. 'జగన్నాథుని రథచక్రాలు' కవితను వివరించండి.

విభాగము-ఆ

II. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు రాయండి.

5x10=50 మా.

11. శ్రీశ్రీ ని పరిచయం చేసి, ఆయన రచనలను కూలంకషంగా వివరించండి.
(లేదా)
12. శ్రీశ్రీ సమకాలీన అభ్యుదయ కవులను పరిచయం చేసి, వారి రచనలను తెలియజేయండి.
13. అభ్యుదయ కవితా విశిష్టతను వివరించండి.
(లేదా)
14. త్వమేవాహం, వజ్రాయుధం, రుధిరజ్యోతి కావ్యాల సారాంశాన్ని వివరించండి.
15. శ్రీశ్రీ 'మహాప్రస్థానం' కవితా సారాంశాన్ని విపులీకరించండి.
(లేదా)
16. 'బాటసారి' కవితలో శ్రీశ్రీ భావుకతను కూలంకషంగా వివరించండి.
17. బిక్షువర్షియసి కవితా సారాంశాన్ని విశదీకరించండి.
(లేదా)
18. 'అద్వైతం' కవితను విశ్లేషించండి.
19. 'కవితా! ఓ కవితా' కవితా సారాంశాన్ని వివరించండి.
(లేదా)
20. 'దేశచరిత్రలు' కవితలో శ్రీశ్రీ చిత్రించిన అభ్యుదయం ఏమిటో విశ్లేషించండి.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS LAW

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4 = 20 M

1. Write a short note on Offer and Acceptance.
2. What is mean by Guarantee
3. Define the term Partnership firm.
4. Explain about the Promissory Note.
5. Define Company.
6. What is Doctrine of ultra vires.
7. Write a short note on conditions and warranties.
8. Sale by Non-Owners.
9. What do you understand by right to information act.
10. Explain about consumer councils.

SECTION - B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define the term "Contract". Explain the essentials of a valid contract.
Or
12. What is breach of contract? Explain the remedies for breach of contract.
13. Discuss various kinds of Negotiable Instruments.
Or
14. Explain different types of partners?
15. Discuss about the Articles of association.
Or
16. Describe various modes of winding up of a company.
17. What is sale of goods act? Explain the essentials of Sale and Agreement to Sale.
Or
18. Define the term Unpaid Seller. Explain the rights of unpaid seller.
19. Discuss the overview of right to information act?
Or
20. Write about the consumer redressal agencies under consumer protection Act.?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: ORGANISATIONAL BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any FIVE of the following. Each question carries 4 marks.

5×4 = 20 M

1. What do you understand by organisational behaviour?
2. Write a short note on Personality.
3. Groups Vs Teams.
4. Explain about group decision making.
5. Define the term "Leadership".
6. Managerial grid.
7. Significance of change.
8. State the reasons for resistance.
9. Organizational culture Vs organizational climate
10. Write a brief note on Organizational Power and Politics.

SECTION - B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Discuss about the factors influencing organizational behaviour.
Or
12. Explain the determinants of personality with suitable examples.
13. What is group dynamic? Explain the factors influencing group effectiveness.
Or
14. Discuss the reasons for conflicts in groups and suggest strategies for effective conflict management.
15. Outline the characteristics of effective leader.
Or
16. What are the major theories of leadership? Explain.
17. Explain the role of change agents in facilitating successful change implementation.
Or
18. What are the reasons for resistance to change? Suggest strategies for dealing with resistance to change.
19. What is organizational culture? Explain the factors influencing Organizational Culture
Or
20. Discuss the key indicators of organizational effectiveness and suggest strategies for achieving organizational effectiveness.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS ENVIRONMENT

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4 = 20 M

1. Define Business Environment.
2. Write a short note on External environment.
3. Give a brief note on Economic environment.
4. Role of Government in Business facilitation.
5. Abbreviate MSME. What is the concept of MSME?
6. MSME Development Act 2006.
7. Components of BOP.
8. Discuss about Trade regulation.
9. What are the functions of International Monetary Fund.
10. Elucidate about objectives of GATT.

SECTION - B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain about significance and nature of the business environment.

Or

12. Discuss about Salient features of Indian Economy.

13. Role of Government in Business facilitation.

Or

14. Planning Commission Vs NITI Aayog

15. What are the Current Schemes for MSME development? Explain.

Or

16. Write about Role of Clusters in Promoting MSME.

17. What are the measures to bring back equilibrium in BOP? Explain.

Or

18. Briefly write a short note on Current Account and Capital Account convertibility.

19. Elucidate about World Trade Organization.

Or

20. Role of FDI in India.



CSSR & SRRM DEGREE & PG COLLEGE**(AUTONOMOUS)**

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MAJOR: BUSINESS STATISTICS AND MATHEMATICS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer any FIVE of the following. Each question carries 4 marks.****5×4 = 20 M**

1. What are the functions of Statistics?
2. Write about tabulation of data?
3. What are the applications of arithmetic mean?
4. List out the objectives of dispersion.
5. Describe about probable error.
6. Interpretation of Regression Coefficients.
7. What is a subset? Give an example to illustrate.
8. What are the applications of set theory?
9. What do you mean by matrix addition?
10. Discuss about matrix inversion.

SECTION - B**II. Answer All questions. Each Question Carries 10 Marks****5 X 10 =50 M**

11. Define statistics. What is the importance of Statistics in business context.

Or

12. What are the methods of data Collection? Explain.

13. What are the applications of measures of central tendency towards business?

Or

14. Illustrate about i) Quartile Deviation. ii) Standard Deviation.

15. What do you mean by correlation? Explain the types of correlation.

Or

16. Comparison between correlation and regression.

17. Illustrate De Morgan's laws with examples using Venn diagrams.

Or

18. Define Arithmetic Progression. What are the applications of arithmetic progression?

19. Define Matrix Determinants. What is the role of matrix determinants in business context?

Or

20. Write the relation between minor and cofactor. Explain.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BBA Honours, SEMESTER-III

MINOR: CONSUMER BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer any FIVE of the following. Each question carries 4 marks.

5×4 = 20 M

1. What do you mean by consumer behavior?
2. Write about Consumer research process.
3. Write a short note on Reference Groups.
4. Explain about personality.
5. Post purchase Evaluation.
6. Nominal Decision Making.
7. What do you mean by Consumer Motivation?
8. Self-concept theory.
9. Marketing communication Process.
10. Persuasive Communication.

SECTION - B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Discuss about Methods of collecting primary data and secondary data.
Or
12. Elucidate the topic of report preparation.
13. Write about behavior factors influencing consumer behaviour.
Or
14. Give a notes on i) Perception ii) Beliefs & Attitudes
15. Consumer Decision Making Process.
Or
16. Discuss Buying pattern in the new digital era.
17. Explain Maslow's hierarchy of Needs.
Or
18. Explain about i) Psychoanalytic theory ii) Trait Theory.
19. Types of Communication systems.
Or
20. Consumer Protection Act 1986.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: ADVANCED ACCOUNTING

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer Any FIVE of the following. Each question carries 4 marks.****5 X 4=20 M**

1. Features of non-trading Organisation.

2. A Golf Club has kept its accounts on cash basis and the figures for 2013 are given below. You are required to prepare Receipts and Payments Account for the year.

Particulars	Rs.	Particulars	Rs.
Entrance fees received	2,500	Secretary's Honorarium	1,500
Subscriptions received	19,800	Cash in Hand (at 1-1-2013)	2,350
Green fees received	600	Locker rent received	500
Expenses paid	27,250	Cost of investment bought during the year	1,100
Surplus on Bar Account	7,500		

3. Calculate the missing figure

Capital in the beginning	?
Capital at the end	36,000
Capital Introduced	9,400
Drawings	5,600
Loss	2,800

4. Explain the salient features of single-entry system.

5. Term Used in Hire Purchase agreement

6. Ravi purchased a T.V on Hire purchase system. The cash price of the T.V was Rs. 7200. He agreed to pay in four instalments of Rs. 2000 each at the end of the year. Calculate interest for each year.

7. Explain essential features of a partnership

8. Define partnership deed. What are its contents?

9. Distinguish between revaluation a/c and realization a/c.

10. What are the entries in the case of dissolution of a Partnership Firm?

SECTION - B**II. Answer ALL of the following questions. Each Question Carries 10 Marks.****5X10=50 M**

11. Distinguish between the receipts and payment account and income and expenditure account.

Or12. From the following particulars prepare **Income and Expenditure account.**

Particulars	Amount Rs.
Fee collected (including Rs. 3,000 on account of last year)	28,000
Meeting expenses	2,000
Travelling & Conveyance	800
Fee for the year outstanding	5,000
Salary paid (including Rs.300 on the account of last year)	2,400
Salary outstanding for the year	400
Entertainment Expenses	500
Tournament Expenses	1,000
Purchase of Books and periodicals	1,000
Rent	1,200
Postage, telephone and telegram charges	1,700
Printing & Stationery	500
Donations Received	800

13. From the following particulars **Prepare a statement of Profit and Loss for the year ended 31st December, 2012.**

Particulars	Opening (1.1.2012)	Closing (31.12.2012)
Cash	4,000	3,000
Bank	10,000	5,000
		(Overdraft)
Debtors	80,000	75,000
Stock	30,000	28,000
Creditors	42,000	37,000
Machinery	10,000	15,000
Furniture	1,000	1,000

The proprietor drew at the rate of Rs.750 per month. He introduced 3,000 as fresh capital.

Or

14. A retailer who had kept books of accounts under single entry, supplied following information to you.

Prepare statement of profit or loss and statement of affairs as on 31-12-2020.

Particular	1-1-2020	31-12-2020
Stock	16,700	18,500
Creditor	15,400	14,000
Debtor	11,200	10,500
Cash	250	1,200
Bank Overdraft	20,200	19,400
Bills Receivables	15,050	14,200
Furniture	1,500	1,500
Machinery	1,900	1,900

The drawings during the year amount to 2,600. Depreciate furniture by 10%. Write off Rs. 300 from machinery.

Debtors include 500 bad debts. Make Provision for doubtful debts at 5% on debtors.

15. X Purchased a machine on hire purchase system the total cost price of the machine is 31,960, payable Rs. 8000 down and three installments of 12000 ,10000 and 4000 payable at the end of the first, second and third year respectively.

Interest is charged at 5% per annum. Depreciation at 10% on straight line method.

Prepare ledger accounts in the books of X.

Or

16. Coconut Growers purchase machinery on installments basis from Y Machinery Co. Ltd. on the following terms:

- Cash down payment at the time of signing agreement Rs. 12,000
- Five annual instalments of Rs. 7,700 the first to commence at the end of twelve months from the date of cash down payment.
- Interest at 10% p.a is charged by the seller.
- Depreciation at 10% p.a on written down value method.

You are required to calculate cash price and show the machinery account and vendor account.

17. On 1st January, 2022 A, B and C enter into partnership contributing Rs. 2,50,000, Rs. 1,30,000 and Rs. 1,20,000 respectively and sharing profits in the ratio of 5:3:2. B and C are entitled to salary of Rs. 16,000 and Rs. 14,500 respectively per year. Interest on capital is to be allowed at 5% per annum. 5% interest is to be charged on drawings. During the year A withdraw Rs. 40,000; B Rs. 25,000 and C Rs. 15,000. Interest being A Rs. 2,250; B Rs. 1,125 and C Rs. 725. Profit in 2022 before the above mentioned adjusted was Rs. 71,400.

Show how the profit is distributed and also prepare fixed and fluctuating capital accounts

Or

**Q.P. Code
COM301**

18. A and B are partners. Their profit sharing ratio is $\frac{3}{4}$ and $\frac{1}{4}$. On 31st December 2024 their balance sheet is as follows:

Liabilities	Rs.	Assets	Rs.
Sundry creditor	33,200	Cash at Bank	18,000
Capital:		Bills Receivable	2,400
A	24,000	Debtors	12,800
B	12,800	Stock	16,000
		Furniture	800
		Buildings	20,000
	70,000		70,000

On 1st January 2024 C was admitted as a Partner on the following conditions

- C should bring Rs. 8000 for his $\frac{1}{5}$ th share in future profits.
- Write off 10% depreciation on stock and furniture.
- Provide a provision of 5% on debtors and Bills receivable for doubtful debts.
- Value of buildings to be increased by 20%.
- Provision of Rs. 800 for payment of a Suit against the firm.
- An amount of Rs. 520 included in creditors need not be paid. Hence exclude it.

Prepare Revaluation Account, Capital Account and opening balance sheet of the firm.

19. Explain modes of dissolution of firm.

Or

20. Rama and Shyam were partners, sharing profits and losses as $\frac{2}{3}$ rd and $\frac{1}{3}$ rd respectively. On 1st January, they dissolved partnership. Their books at that date show the following:

Particulars	Rs.	Particulars	Rs.
Book-Debts	35,000	Cash in Hand	600
Stock	17,000	Bank Overdraft	1,560
Investments	9,000	Sundry Creditors	24,440
Goodwill	20,000	Capitals:	
Trade Furniture	4,400	Rama	40,000
		Shyam	20,000

The stock realised 75 per cent of its book value, and the book debts Rs, 27,800. Trade Furniture was sold for 5,000. Goodwill proved unrealizable. Investments were taken over by Rama for 12,000.

Prepare Realisation Account, Capital Accounts and Cash Account.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: INCOME TAX

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70**SECTION - A****I. Answer Any FIVE of the following. Each question carries 4 marks.****5 X 4=20 M**

1. Explain the concepts of Previous Year and Assessment Year.
2. Explain Incidence of tax.
3. What is Provident fund? Explain various types of P.F.
4. Ms. Sruthi is employed at Amritsar on a salary of 40,000/- p.m. The employer is paying H.R.A. of 10,000/- p.m. but the actual rent paid by him (employee) is 12,000/- p.m. He is also getting 2% Commission on turnover achieved by him and turnover is 50, 00,000/-.
5. Define Annual Value.
6. Explain Profession.
7. Meaning and types of capital assets.
8. Compute long-term capital gains covered U/S 112A for A.Y. 2022-23
Actual cost of acquisition on April 1, 2016 Rs. 100
FMV as on January 31, 2018 Rs. 200
Sale price as on April 15, 2021. Rs. 250
9. Income from other sources.
10. Define Total Income.

SECTION - B**II. Answer ALL of the following questions. Each Question Carries 10 Marks.****5X10=50 M**

11. Explain brief history of Income tax act 1961

Or

12. From the following particulars income of Mr. Srinu for the previous year 2021 2022 or requested you come out his requested to compute taxable income assuming Mr. Srinu as:

- (a) Ordinary resident,
- (b) Ordinary resident non ordinary resident,
- (c) Resident but not ordinary resident

Profit earned from business in Delhi Rs. 44,000

Profit of a business established in UK but controlled from India amount deposited in bank there Rs. 20,000

Salary received in U.K for services rendered in India Rs. 10,000

Profit from business in Nepal and controlled from there but received in India Rs. 12,000

Income from house property in UK received in India Rs.4,000

Income from house property in Nepal Rs. 5,000

Past untaxed foreign income brought into India during the year Rs.5,000.

13. From the following particulars, find out the taxable salary of Mrs. Babita working at Coimbatore.

(Population 11 lakhs)

(a) Salary Rs.12,000/- p.m.

(b) D.A @ 100% of salary

(c) Employers contribution to Employees Recognized Provident Fund-14% of basic salary.

(d) Rent free accommodation (unfurnished) - fair rental value is Rs. 80,000/- p.a.

(e) Interest on Provident Fund balance @ 13% p.a. Rs.3,900.

- (f) A car 1.4 lt. capacity is provided by employer. All expenses are borne by employer. It is used both for performance of duties and private purposes. Car was used by employee for only 11 months during the year.
- (g) She paid professional tax of Rs. 1,200/-.
- (h) She received Rs. 500/- p.m. as fixed medical allowance.

Or

- 14.** Mr A an employee of Ranchi [population 15 lakhs] based company provides the following particulars of a salary income:
- Basic salary Rs. 12,000 p.m
 - Profit bonus Rs. 12000
 - Commission on turnover achieved by Mr A Rs.42000
 - Entertainment allowance Rs. 2000 p.m
 - Club facility Rs.6000
 - Transport allowances Rs.1800 p.m.
 - Free use of a car of more than 1.6 lt capacity for both personal and employment purposes, expenses are met by employer
 - Rent free house provided by employer lease rent paid by employer Rs.6000 p.m.
 - Free education facility for three children of the employee: [Bills issued in the name of employer] Rs. 22,500
 - Gas water and electricity bills used in the name of employee but paid by employer Rs. 16800
- Compute income under the head salary of the assessment year 2022.**

- 15.** from the following Information **Compute Income from house property Mr. Pavan** for the assessment year 2024-2025.
- Municipal value Rs. 80,000
 Fair rental value Rs. 1, 00,000
 Standard Rent Rs. 90,000
 Actual Rent Rs. 75,000
 Municipal Taxes 10%
 Interest on loan Rs. 7,500

Or

- 16.** From the following statement, **Compute the income from the profession of Dr.S.K. Kapoor if accounts or maintained on cash / receipt system:**

Cash Receipts	Rs.	Cash payments	Rs.
To visiting fees	45,000	By dispensary rent	36,000
To consultation fees	1,25,000	By electricity and water charges	6,000
To sales of medicines	72,000	By telephone expenses	6,000
To dividends	5,000	By salary to nurse and compounder	36,000
	2, 47,000	By Dep. On surgical equipment	6,000
		By purchase of medicines	38,000
		By depreciation on X-Ray machine	4,000
		By income tax	5,500
		By Donation to Ramakrishna mission	4,000
		By motor car expenses	9,600
		By Depreciation on car	4,800
		By balance c/d	91,100
			2, 47,000

Additional Information:

- Electric electricity and water charges include domestic bill of Rs.2500
- Half of motor car expenses or for professional use
- Telephone expenses include 40% for personal use
- Opening stock of medicines was Rs. 6000 under closing stock was Rs.4000.

17. Discuss the procedures for computation of capital gains.

Or

18. R. Lakshmi has the following investments and income in the previous year resources 31/ 3 /2022 calculate her income from other sources.

Dividend from an Indian company Rs. 7800

Examiner ship remuneration Rs. 2000

Royalty by the publication of book Rs. 48,000

Winnings from lottery (Net) Received on 1/3 /2022 – Rs.35000

Rs. 40000 10% debentures of company (unlisted)

Rs. 40000 12% Punjab government securities

Rs. 50000 13% less tax commercial securities and (unlisted)

Rs. 40000 10% tax free debentures of a company (unlisted)

Rs. 5400 as interest on tax-free debentures (listed) received on 1/3 /2022

In October 2021 she sold the above Rs.40000 10% tax free debentures of a company for Rs. 45000.

In December 2021 she inherited Rs. 63,000 10% tax free debentures listed of XY Co.Ltd from her father.

Interest on the above securities falls due on December 31st of every year.

She Claims the Following Deductions:

1) Collection charges for interest and dividend @ 2% of net amount realised.

2) Purchase of lottery tickets Rs. 2,000.

19. Mr. Suresh provides the following details for the Financial Year 2024–25:

Basic Salary: Rs. 5,00,000

HRA Received: Rs. 1,50,000

Rent Paid (Delhi): Rs. 1,80,000

Self-occupied house (home loan interest): Rs. 2,00,000

Interest on Savings Bank Account: Rs. 12,000

Life Insurance Premium paid: Rs.80,000

Mediclaime Premium (self + parents): Rs. 25,000 + Rs. 30,000

Compute Mr. Suresh's total income for the assessment year 2025–26.

Or

20. Mrs. Meenakshi, a retired teacher, furnishes the following information:

Pension: 3,00,000

Interest from Bank FDs: Rs. 40,000

Rent from house property: Rs. 2,40,000

Municipal taxes paid: Rs. 20,000

Standard Deduction on Pension: Rs.50,000

Life Insurance Premium: Rs. 30,000

Medical insurance premium (self): Rs.25,000

Compute her total income for the assessment year 2025–26.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: E COMMERCE & WEB DESIGNING

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any **FIVE** of the following. Each question carries 4 marks.

5×4=20 M

1. What is web 2.0?
2. Explain the typical application areas of E-Commerce.
3. Explain about components of Customer Relationship Model (CRM).
4. Explain about B2b model.
5. What is Information Security Management (ISM). Describe the goals of ISM.
6. Explain about Business and Money.
7. Explain the differences between HTML and HTML5.
8. Explain about block elements in HTML.
9. Write about Text Properties in CSS.
10. Write about the Basic Syntax and structure of CSS.

SECTION - B

II. Answer **ALL** of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain about different types of e-commerce.
Or
12. Describe seven steps for fundamental sales process in e-commerce.
13. Write about B2C Software Systems.
Or
14. Write the differences between B2B and B2C.
15. Explain about foundations of risk management.
Or
16. Explain the payment procedures of Electronic Payment.
17. What is HTML? Explain the structure of HTML program.
Or
18. Write about Code Related elements in HTML.
19. Explain the Color Properties in CSS.
Or
20. Write about Border properties in CSS.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: DIGITAL MARKETING

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer **Any FIVE** of the following. Each Question Carries 4 Marks

5 X 4=20 M

1. Define digital marketing and explain its key components?
2. What are the Characteristics of digital marketing?
3. Briefly describe the types of online advertising?
4. What is a Landing Pages?
5. What are the essential elements of an effective e-mail marketing strategy?
6. Discuss the importance of segmentation in e-mail marketing?
7. What is a Webinar? Key features of Webinars?
8. What is social media engagement, and why is it crucial for businesses?
9. How does on-page optimization affect in SEO?
10. Differentiate between on-page and off-page SEO techniques?

SECTION - B

II. Answer **ALL** of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain the key challenges faced in digital marketing and how to overcome them?
Or
12. Discuss the role of data analytics in shaping digital marketing strategies?
13. Describe the different types of online advertising and their effectiveness?
Or
14. Explain the types of Landing Pages?
15. Outline the steps involved in creating a successful e-mail marketing campaign?
Or
16. What are the Advantages and Disadvantages of E-Mail Marketing?
17. Examine the strategies used in social media marketing to build brand loyalty?
Or
18. Discuss the impact of social media algorithms on content visibility and marketing strategies?
19. Describe the process of optimizing a website for search engines?
Or
20. What is Search Engine Rank? Explain the SEO process?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B. Com SEMESTER-III

MINOR: ORGANISATION BEHAVIOUR

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION - A

I. Answer Any FIVE of the following. Each Question Carries 4 Marks.

5X4=20 M

1. Importance of Organization Behaviour
2. Define Perception, Values and Attitudes
3. Concept of Motivation
4. Characteristics of Leadership
5. Types of Groups
6. Johari Window
7. What is meant by Resistance to Change?
8. Importance of Organizational Change
9. Types of Morale
10. Organizational Power and Politics

SECTION - B

II. Answer ALL of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain the Factors influencing Organizational Behaviour.

Or

12. What are the different Stages of Personality Development?

13. Discuss the Theories of Motivation.

Or

14. Elucidate different Leadership Styles.

15. Explain the Characteristics of Group Dynamics.

Or

16. What are the steps involved in Group Decision-making?

17. What are the Factors influencing Organizational Change?

Or

18. Explain the Process of Organizational Development.

19. Distinguish between Organizational Culture and Organizational Climate.

Or

20. Explain how to manage Organizational Conflicts.



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc (Bot), SEMESTER-III

MAJOR: VASCULAR PLANTS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Lycopodium types (sub genera)?
2. Marsilea petiole T.S?
3. Cycas megasporophyls?
4. Gnetum morphological characters?
5. General recommendations of ICBN?
6. Tendril in Cucurbitaceae?
7. Spikelet?
8. Flavonoids?
9. Advantages, Disadvantages of numerical taxonomy?
10. Primitive and advanced characters of angiosperms?

SECTION – B

II. Answer ALL questions. Each Question Carries 10 Marks.

5 X 10 =50 M

11. Describe the internal structure of lycopodium stem (T.S)?
Or
12. Describe stellar evolution in pteridophytes?
13. Describe the internal structure of primary stem in gnetum (T.S) add a note on its secondary growth?
Or
14. Explain life cycle of Cycas?
15. Explain herbarium?
Or
16. Describe the classification of bentham and hooker. Mention the merits and demerits of it?
17. Describe the vegetative and floral characters of the family annonaceae and add a note on its economic importance?
Or
18. Describe the vegetative and floral characters of the family Asteraceae (Compositae) and add a note on its economics importance?
19. Explain taxonomy in relation to anatomy?
Or
20. Explain cytology in relation to taxonomy?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT PATHOLOGY AND PLANT DISEASES

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Write short notes on scope of plant pathology.
2. Write a short note on coffee rust.
3. Write short note on toxins.
4. Write an essay on role of enzymes in pathogenesis.
5. What are the advantages of remote sensing in plant pathology.
6. Describe IPDM technique for rice.
7. Write short notes on management of Pigeonpea blight.
8. Discuss in detail about tikka disease of groundnut.
9. Write a short note on control and management of Phomopsis blight.
10. Write short note on Anthracnose in Punica granatum.

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Write an essay on some of the plant disease classifications.

Or

12. Explain dispersal of plant pathogens through passive process.

13. Give a brief account on role of growth regulators in plant pathogenesis.

Or

14. What are biochemical defense mechanism? Describe pre-existing chemical defenceses.

15. Give a brief account on cultural control practices used in plant diseases.

Or

16. What is resistance? Explain different types of plant disease resistance.

17. Explain in detail about rotten neck disease of rice.

Or

18. Discuss in detail account on downy mildew disease in bulrush or bajra millet.

19. Explain etiology, symptoms, epidemiology, mode of spread and management strategies of yellow vein mosaic disease in okra/ ladies finger/bhendi (*Abelmoschus esculentus*).

Or

20. Explain etiology, symptoms, mode of spread and management strategies of coconut basal stem rot/Thanjavur wilt/Bole rot disease (*cocos nucifera* L.).



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT BREEDING

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. A brief account of self and cross pollination.
2. Genetic variation in crop improvement.
3. What is Male sterility.
4. Classification of SI.
5. Objectives of plant introduction.
6. Germplasm collection.
7. Dominance hypothesis.
8. Emasculation – methods.
9. Applications of SNPs.
10. MAS

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Explain aim and objectives of plant breeding.

Or

12. What is apomixis? are its types? Write the advantage of apomixes.

13. Explain heteromorphic and homomorphic systems.

Or

14. Explain centres of origin of crop plants.

15. Explain plant introduction agencies in India.

Or

16. Explain pure line selection method- procedure, advantages and disadvantages, achievements.

17. Write about the types of Hybridization.

Or

18. Explain cross-pollinated crops: back cross method- procedure, advantages and disadvantages, achievements.

19. Explain procedure of mutation breeding.

Or

20. Describe Restriction Fragments Length Polymorphism (RFLP).



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(Bot), SEMESTER-III

MAJOR: PLANT BIOTECHNOLOGY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Totipotency
2. Organogenesis
3. Advantages and disadvantages of Micropropagation
4. Application of Endosperm culture
5. Bioreactors in production of secondary metabolites
6. Protoplast culture methods
7. FLAVR-SAVR TOMATO
8. PR Proteins
9. Genetically modified foods
10. Applications of polyhydroxybutyrate

SECTION – B

II. Answer **All** questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. What is Somatic Embryogenesis? Explain the procedure for induction of somatic embryogenesis?

Or

12. What is callus culture? Explain the procedure for initiation and maintenance of callus culture?

13. What is Meristem culture? Explain the procedure involved in meristem culture?

Or

14. Write an essay on pollen culture or androgenic haploid production?

15. Write an essay on cell suspension culture?

Or

16. Describe various aspects of somatic hybridization?

17. Write an essay on Herbicide resistance to Glyphosphate?

Or

18. Give an account of Introduction to virus resistance nucleocapsid genes?

19. Give an account of Biodegradable plastic

Or

20. Write an essay on Biofortification?



Q.P. Code
BOT305

CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Sc(Bot), SEMESTER-III

MINOR: FUNDAMENTALS IN ORGANIC CHEMISTRY

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer **any FIVE questions**. Each Question Carries 4 Marks $5 \times 4 = 20$ M

1. Explain the concept of hyperconjugation?
2. Explain about Acidity of carboxylic acids?
3. Write short note on (a) Corey-House synthesis (b) Wurtz reaction
4. Write short note on physical and chemical properties of alkanes?
5. Write a note on Markownikoff rule?
6. Write about Syn addition reaction?
7. Explain about decarboxylation reaction?
8. Discuss the halogenation of Benzene? Explain the reagents, conditions and final product obtained after reaction?
9. Write a short note on Orientation of aromatic substitution - ortho, Para and meta directing groups?
10. Write a short note on Orientation of Amino, and methyl groups?

SECTION – B

II. Answer **ALL questions**. Each Question Carries 10 Marks. $5 \times 10 = 50$ M

11. Explain the concept of Electrophilic Substitution reaction?
Or
12. Define resonance or mesmeric effect and explain factors affecting mesomeric effect and its applications?
13. Explain Baeyer strain theory and its significance in understanding the stability of cycloalkanes?
Or
14. Explain the Cyclohexane conformations with energy diagram, Conformations of monosubstituted cyclohexane?
15. Write the general methods of preparation of alkenes and alkanes?
Or
16. Write Electrophilic additions like H_2 , HX with mechanisms?
17. Write the Structure of Benzene – Preparation - polymerisation of acetylene?
Or
18. Explain Friedel crafts alkylation and acylation reactions, including the role of Lewis acids as catalysts?
19. Define aromaticity? Explain about aromaticity rules and importance of aromaticity?
Or
20. What is Huckel's Rule? Write some examples of Huckel's rule in aromatic compounds?



CSSR & SRRM DEGREE & PG COLLEGE

(AUTONOMOUS)

UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

BSc(CS), SEMESTER-III

MAJOR: OBJECT ORIENTED PROGRAMMING USING JAVA

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION-A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks 5 X 4 =20 M

1. What is the difference between object-oriented programming and procedural programming?
2. Explain the type conversion and type casting.
3. Explain about jumping statements.
4. Explain about the method overriding.
5. What is the purpose of super keyword?
6. Define interfaces? How to implement interfaces in java?
7. What is the role of try, catch and throw blocks in exception handling?
8. How to understanding CLASSPATH in java?
9. Explain about thread priorities.
10. Explain about grid layout.

SECTION-B

II. Answer **All questions**. Each Question Carries 10 Marks 5 X 10 =50 M

11. Define object-oriented programming? Explain the object-oriented programming concepts?

Or

12. Discuss the looping statements in java with example.

13. What is an array? Explain one dimensional array in java with example.

Or

14. What is a constructor? Explain the different types of constructors in java with example.

15. What is inheritance? Explain different types of inheritances in java.

Or

16. What is interface? How to implement, accessing and extending interfaces?

17. Define a package? How to creating and implementing packages in java?

Or

18. Explain about checked exceptions and unchecked exceptions.

19. What is a thread? Explain the life cycle of thread.

Or

20. Explain the MVC architecture in Swing GUI programming.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: DATA STRUCTURES USING C

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any FIVE questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. Define Algorithm and explain its characteristics?
2. Difference between Data type and Data structures?
3. Explain difference between Linked List and Array?
4. Write an algorithm to traverse a single linked list?
5. Write the applications of Stacks?
6. Explain the representation of Queue using Linked list?
7. Explain the limitations of Bubble Sort?
8. Explain the advantages of using Linear Search over Binary Search?
9. Explain the applications of Binary Tree?
10. Explain the sequential representation of Graphs?

SECTION – B

II. Answer All questions. Each Question Carries 10 Marks

5 X 10 =50 M

11. Define Data Structure? Explain the types of data structures with example?
Or
12. Define Array. Write an algorithm to insert an element into one dimensional array?
13. Write an algorithm to delete a node at end of the single linked list with an example?
Or
14. Define LinkedList. Explain the types of linked lists with an example?
15. Explain the implementation of Stack using linkedlist?
Or
16. Define Queue. Explain the types of Queues with an example?
17. Explain the working of Indexed Sequential Search?
Or
18. Explain the working of Insertion Sort?
19. Define Binary Search Tree. Write an algorithm to perform insertion operation in Binary Search Tree.
Or
20. Define Graph. Explain how BFS algorithm works?



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UG (CBCS) REGULAR EXAMINATIONS, OCT-2025

B.Com SEMESTER-III

MAJOR: E COMMERCE & WEB DESIGNING

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.

Max. Marks: 70

SECTION - A

I. Answer any FIVE of the following. Each question carries 4 marks.

5×4=20 M

1. What is web 2.0?
2. Explain the typical application areas of E-Commerce.
3. Explain about components of Customer Relationship Model (CRM).
4. Explain about B2b model.
5. What is Information Security Management (ISM). Describe the goals of ISM.
6. Explain about Business and Money.
7. Explain the differences between HTML and HTML5.
8. Explain about block elements in HTML.
9. Write about Text Properties in CSS.
10. Write about the Basic Syntax and structure of CSS.

SECTION - B

II. Answer ALL of the following questions. Each Question Carries 10 Marks.

5X10=50 M

11. Explain about different types of e-commerce.
Or
12. Describe seven steps for fundamental sales process in e-commerce.
13. Write about B2C Software Systems.
Or
14. Write the differences between B2B and B2C.
15. Explain about foundations of risk management.
Or
16. Explain the payment procedures of Electronic Payment.
17. What is HTML? Explain the structure of HTML program.
Or
18. Write about Code Related elements in HTML.
19. Explain the Color Properties in CSS.
Or
20. Write about Border properties in CSS.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MAJOR: OPERATING SYSTEMS

(w.e.f. 2024-25 Admitted Batch)

Time: 3 hrs.

(No additional sheet will be supplied)

Max. Marks: 70

SECTION – A

I. Answer any **FIVE** questions. Each Question Carries 4 Marks

5 X 4 =20 M

1. What is an operating system and its basic functions?
2. What is resource abstraction?
3. What is process abstraction?
4. What is kernel? Explain different types of kernels?
5. What is deadlock? How to avoid deadlock?
6. Explain Reader – writer problem in process synchronization.
7. What is paging in memory management?
8. Differentiate between physical and virtual address space.
9. Explain about shared memory in operating system?
10. Explain about Device management in operating system?

SECTION – B

II. Answer **All questions**. Each Question Carries 10 Marks

5 X 10 =50 M

11. What is an operating system? Explain its basic functions.
Or
12. Explain in detail about multiprogramming and batch operating systems.
13. What is a system call? Explain different types of system calls in operating system.
Or
14. What is scheduling? Explain about preemptive and non – preemptive scheduling algorithms.
15. What is deadlock? Discuss various strategies for avoiding deadlock in a system.
Or
16. Explain the classical synchronization problem of producer-consumer using semaphores.
17. Explain about segmentation in operating system.
Or
18. Explain about memory allocation strategies in operating system.
19. Explain about the directory structure in operating system.
Or
20. Explain the working of C-SCAN, C-LOOK AND FCFS scheduling algorithms.



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UG (CBCS) REGULAR EXAMINATIONS, OCT- 2025

B.Sc(CS), SEMESTER-III

MINOR: SOLID GEOMETRY

(w.e.f. 2024-25 Admitted Batch)

(No additional sheet will be supplied)

Time: 3 hrs.**Max. Marks: 70****SECTION – A****I. Answer any FIVE questions. Each Question Carries 4 Marks** 5 X 4 =20 M

1. Find the equation of the plane through the points (2,2,1), (9,3,6) and perpendicular to the plane

$$2x + 6y + 6z = 9.$$

2. Find the angle between planes $2x - 3y - 6z = 9$ and $6x + 3y - 2z = 18$.

3. Prove that the four points (1,2,3), (4,0,4), (-2,4,2), (7, -2,5) are collinear

4. Find the image of (2, -1,3) in the plane $3x - 2y + z = 9$.5. Find the equation of the sphere through the points (1, -4,5), (1, -5,2), (1, -3,0) and whose centre lies on the plane $x + y + z = 0$.

6. A variable plane passes through a fixed point (1,1,1) and meets the axes in A, B, C. Show that the locus

$$\text{of the centre of the sphere OABC is } \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 2$$

7. Find the equation of the radical line of the spheres

$$x^2 + y^2 + z^2 + 4y = 0, x^2 + y^2 + z^2 + 3x - 2y + 8z + 6 = 0, x^2 + y^2 + z^2 + 2x + 2y + 2z + 2 = 0.$$

8. Find the limiting points of the co-axial system defined by the spheres

$$x^2 + y^2 + z^2 + 4x - 2y + 2z + 6 = 0, x^2 + y^2 + z^2 + 2x - 4y - 2z + 6 = 0.$$

9. Find the equation of the cylinder whose generators are parallel to the line $\frac{x}{1} = \frac{y}{-2} = \frac{z}{3}$, and the guiding curve is the ellipse $x^2 + 2y^2 = 1, z = 3$.10. Find the equation to the right circular cylinder whose guiding circle is $x^2 + y^2 + z^2 = 9$,

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

SECTION – B**II. Answer All questions. Each Question Carries 10 Marks** 5 X 10 =50 M

11. Show that following points are coplanar (-6,3,2), (-13,17, -1), (3, -2,4), (5,7,3).

Or12. Find the equations of the plane bisecting the angles between the planes $2x + 2y + 2z = 19$,

$$4x - 3y + 12z + 3 = 0.$$
 point out which plane bisects the acute angle.

13. Find the image of (1,3,4) in the plane $2x - y + z + 3 = 0$.**Or**14. Show that lines $x + 2y + 3z - 4 = 0, 2x + 3y + 4z - 5$ and $2x - 3y + 3z - 5 = 0 = 3x - 2y + 4z - 6$ are coplanar and find the equation of the plane containing them.

15. A sphere of constant radius k passes through the origin and intersects the axes in A, B, C . Prove that the centroid of the ΔABC lies on the sphere $9(x^2 + y^2 + z^2) = 4k^2$.

Or

16. Find the centre and radius of the circle $x^2 + y^2 + z^2 - 2y - 4z - 11 = 0$, $x + 2y + 2z - 15 = 0$.

17. Find the limiting points of the co-axial system

$$x^2 + y^2 + z^2 - 20x + 30y - 40z + 29 + \mu(2x - 3y + 4z) = 0.$$

Or

18. Find the radical plane of the spheres $x^2 + y^2 + z^2 = 25$ and $x^2 + y^2 + z^2 - 4x + 6y - 2z = 0$.

19. Find the equation of the enveloping cylinder of the sphere $x^2 + y^2 + z^2 + 2x - 4y - 1 = 0$, having its generators parallel to the line $x = y = z$.

Or

20. Find the equation of a cylinder whose generators are parallel to the z -axis and which passes through the circle $x^2 + y^2 = 9$, $z = 0$.



Q.P. Code
CS305