3. Write an essay on the great vowel shift.

4. What are the important ways in which new words are formed in English ?

5. Write an essay on the French influence on English.

6. Estimate the contribution of Shakespeare to the English language.

7. Write a note on 'Standard English.'

8. Discuss the contribution of Coverdale and Tyndale to the English language.

9. How do idioms and metaphors enrich the English language.

10. Write an essay on the English language today.

Register Number :

Name of the Candidate :

5 0 5 2

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(THIRD YEAR)

(PART - III)

(PAPER - VIII)

730. HISTORY OF ENGLISH LANGUAGE

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
All questions carry equal marks.

(5 × 20= 100)

1. Write a note on Indo-European family of languages.

2. Bring out the salient features of sound laws during the old English Period.

IV. Answer TWO of the following questions :

(2 ×20 =40)

7. (a) Compare and contrast John of Gaunt and Duke of York.

(OR)

(b) Attempt a character sketch of Duke of Richard - II.

8. (a) Compare and contrast Tybalt and Mercutio.

(OR)

(b) Attempt a character sketch of Romeo.

9. (a) Consider "Twelfth Night" as a comedy.

(OR)

(b) Attempt a character sketch of Olivia.

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B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(THIRD YEAR)

(PART - III)

(PAPER - VII)

720. SHAKESPEARE

(Common to B.A. English & Communication)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Annotate FIVE of the following passages, choosing at least TWO from each section:

(5 × 4 = 20)

SECTIION - A

1. If she be false, O then hevan mocks itself.

2. I kissed thee ere I killed thee. No way but this,

   Killing myself, to die upon a kiss.

3. Hand kerchief-confession-hand kerchief !-to

   Confess, and be hanged for his labour -first to

   Be hanged, then to confess !

4. Virtue! a fig! 'tis in ourselves that we thus or thus.

SECTION - B

.5. Be collected

   No more amusement. Tell your piteous heart

   There's no harm done.

6. A thing divine, for nothing natural

   I ever saw so noble.

7. Not a soul

   But felt a fever of the mad, and played

   Some trick of desperation.

8. Virgin-knot before

   All sanctimonious ceremonies may

   With full and holy rite be ministered

II. Answer ONE of the following questions : (1 ×20 =20)

1. Consider 'Othello' as a domestic tragedy.
2. Attempt a character sketch of Iago.
3. 'Othello' is probably the most neatly, the most formally constructed of Shakespeare's plays.- Discuss.

III. Answer ONE of the following questions : (1 ×20 =20)

4. Attempt a character sketch of Ferdinand.
5. Consider Prospero as Shakespeare's mouthpiece.
6. Comment on the role of the supernatural elements in 'The Tempest."

Register Number :

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B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(SECOND YEAR)

(PART - III)

(PAPER - V)

660. HISTORY OF ENGLISH LITERATURE

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE of the following without omitting any Group :

(5 ×20 =100)

GROUP - A

1. Discuss briefly the contribution of the Bible translators.

2. Explain the characteristics of the University Wits.

Turn Over

3. Bring out the significance of the Shakespearean tragedy.

4. Consider Donne as a metaphysical poet.

GROUP - B

5. Describe the poetry of the Restoration Age.

6. Highlight the greatness of the prose works of Addision and Steele.

7. Critically examine the revival of Medieval literature in the Age of Johnson.

8. Explain the importance of the Diarists in English literature.

GROUP - C

9. Consider Matthew Arnold as a critic of the Victorian Period.

10. Explain the works of Carlyle and his theory of Art.

11 Describe the chief characteristics of the poetry of Romantics.

12. Write short notes on :

    (a) Charles Dickens.

    and (b) The Bronte sisters.

GROUP - D

13. Explain the term 'The New Criticism.'

14. Bring out the salient features of the theatre of the Absurd.

15. Discuss the contribution of T.S.Eliot to the growth and development of the modernist poetry.

16. Explain critically the psychological novel.

(c) How does Newman estimate the true value of the study of literature ?

SECTION - C

IV. Aswer any TWO of the following : (2 ×20 =40)

(a) How does Orwell view the role reviewers in the success or failure of a novel ?

(b) Write a critical appreciation of Sir Max Beerbhomi's *The Flower of Cities*.

(c) Describe Osbert Sitwell's experineces during picnics and bed-times.

(d) Give an account of 'education' as viewed by Trevelyan with reference to England.

(e) Sketch the role of Jaggers, the lawyer in *Great Expectations*.

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5 0 4 8

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(SECOND YEAR)

(PART - III)

(PAPER - IV)

650. PROSE AND FICTION

(Common to B.A. English & Communication)

(Including Lateral Entry & Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Answer FIVE of the following passages, choosing at least TWO from each group: (5 × 4 = 20)

GROUP - A

(a) This therefore is the praise of Shakespeare that his drama is the mirror of life.

(b) Shakespeare has no heroes, his scenes are occupied only by men.

(c) Shakespeare approximates the remote and familiarises the wonderful.

(d) A quibble is to Shakespeare what luminous vapours are to the traveller.

(e) He expresses what all feel but cannot say and his sayings pass into proverbs among his people.

GROUP - B

(f) Literature expresses, not objective truth as it is called, but subjective not things but thoughts.

(g) Science ..... has to do with things literature with thoughts, science is universal, literature is personal.

(h) For instance, a great memory as I have said does not make a philosopher, anymore than a dictionary can be called a grammar.

(i) Its art is the art of social life and its end is fitness for the world.

(j) The end of writing, the end of poetry is to instruct by pleasing.

SECTION - A

II. Attempt an essay ONE of the following : (1 ×20 =20)

(a) Discuss Johnson's views on comedies and tragedies.

(b) Comment on Johnson's achievement as a critic with reference to *Preface to Shakespeare.*

(c) What are Johnson's views on Shakespeare's treatment of the three unities in drama ?

SECTION - B

III. Attempt an essay ONE of the following : (1 ×20 =20)

(a) How does Newman distinguish between liberal knowledge and useful knowledge ?

(b) What according to Newman, are the aims and objectives of a University ?

2. Describe the Arabia by Walter De La More in his poem *Arabia*.

3. Narrate the "finer experiences" of the soliders as described in Sassoon's *The Death-Bed*.

4. Treat W.H.Auden's *The Unknown Citizen* as a satire.

5. Describe Dylan Thomas's experiences as narrated in *Poem in October.*

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5 0 4 7

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(SECOND YEAR)

(PART - III)

(PAPER - III)

640. POETRY

(Common to B.A. English & Communication)

(Including Lateral Entry & Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A

I. Annotate any FIVE of the following : (5 × 4 = 20)

1. For thy sweet love remembered such wealth brings

   That then I scorn to change my state with kings.

Turn Over

7. Notice Neptune, though,

   Taming a sea horse, thought a rarity,

   Which claus of Innsbruck cast in bronze for me !

8. All change, changed utterly :

   A terrible beauty is born.

9. Happy the solider home, with not a notion

   How somewhere, every dawn, some men attack.

10. And all the reports of his conduct agree

    That, in the modern sense of an old fashioned wood,

    He was a saint, ...

SECTION - B

II. Answer any ONE of the following : (1 ×20 =20)

1. Examine the theme and structure of *Shakespeare's Sonnet No.29*.

2. Consider *Lycidas* as a pastroal elegy.

3. What is Wordsworth's philosophy of life in relationship with nature as expressed in *Tintern Abbey*.

4. Describe the experienc that Keats records in the *Ode to a Nightingale*.

5. Narrate the story of Tithonus and the Goddess of the Dawn as given in Tennyson's *Tithonus*.

SECTION - C

III. Answer any ONE of the following : (1 ×20 =20)

1. How does Dryden express the power of music in *A Song For St. Cecilia's Day* ?

2. Bring out Shelley's message as, expressed in *Ode to the West Wind*.

3. Consider *My Last Dutchess* as a dramatic monologue.

4. Consider W.B.Yeat's *Easter 1916* as a poem of rebellion.

5. Describe the effects of war as expressed by Owen in *Insensibility*.

2. Atlast he rose, and twitched his mantle blue:

   Tommorrow to fresh woods, and pastures new.

3. But bright Cecilia raised the wonder higher;

   When to her organ vocal breath was given,

   An angel heard, and straight appeared.

   Mistaking earth for heaven.

4. For I have learned

   To look on nature, not as in the hour

   Of thoughtless youth, but hearing oftentimes

   The still, sad music of humanity,....

5. Was it, a vision, or a waking dream ?

   Fled is that music: Do I wake or sleep ?

6. Be thou, spirit fierce,

   My spirit ! Be thou me, impetuous one!

SECTION - D

IV. Answer any ONE of the following : (1 ×20 =20)

1. Discuss the subject matter of George Herbert's poem *The Pulley*.

2. Treat Pope's *An Epsitle to Dr. Arbutnot* as a satire on the efforts of budding poets to achieve fame.

3. How does Collin's *Ode to the Evening* hearld the arrival of Romantic Movement ?

4. Treat Coleridge's *Kublakhan* as a dream poem.

5. How does Hopkins thank God for nature's splender in *Pied Beauty* ?

SECTION - E

V. Attempt any ONE of the following : (1 ×20 =20)

1. How does *The Hound of Heaven* illustrate the Christian concept of salvation for all ?

4. Write an essay on the different kinds of drama.

5. What are the classifications of poetry ? Discuss.

6. Discuss the different type of essays, bringing out their significant characteristics.

7. Define criticism. Describe the nature and function of criticism.

8. What are the chief characteristics of the novel?

9. 'Style is the real index of the writer's personality.' - Discuss.

10. Enumerate the important elements of the short story.

Register Number :

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5 0 4 6

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(FIRST YEAR)

(PART - III)

(PAPER - II)

540. LITERARY FORMS

(Common to B.A. English & Communication)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE of the following.
ALL questions carry equal marks.

(5 ×20 =100)

1. What is the historical study of literature ?

2. Write an essay on the Sonnet.

3. What is lyric? What are the salient features of lyric ? Illustrate.

Turn Over

8. William Wilberforce.

9. English society between the wars.

10. The United Nations Organisations.

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B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(FIRST YEAR)

(PART - III)

(PAPER - I)

530. SOCIAL HISTORY OF ENGLAND

(Including Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Write essays on any FOUR choosing ONE from each Group : (4×20 =80)

GROUP - A

1. Explain the major causes of the Reformation.

2. Bring out the social effects of the dissolution of Monasteries.

3. Elizabethan Theatre and audience.

Turn Over

4. The use of prose and verse in the plays of Shakespeare.

GROUP - B

5. "Puritanism was the religion of all those who wished to purify the rituals of the established Church from the taint of Roman Catholicism."- Discuss.

6. The role of the whigs and the Torics in the coffee - houses.

7. The Restoration audience.

8. The display of art and culture in the Age of Dr. Johnson.

GROUP - C

9. Briefly explain the American Colonies.

10. Navigation Act.

11. Bring out the causes of the French Revolution.

12. The development of medical science in Victorian England.

GROUP - D

13. Briefly explain the Parliamentary Reforms.

14. Explain the invention of electric telegraph.

15. The development of science and technology in the 20th Century.

16. Describe the socialogical outlook of the English society between the wars.

II. Write short notes on any FIVE of the following : (5 ×4 =20)

1. Elizabethan literature.
2. New England Colonies.
3. Will's coffee-house.
4. Morality and the Restoration theatre.
5. Industrial Revolution.
6. Science and technology in the 19th Century.
7. French Revolution and English society.

26. An old lady ..... professed to hate dogs adored him.

(Fill in the blank with a suitabe relative pronoun.)

27. We stopped. The bark was repeated.

(Combine into a complex sentence.)

28. You have done the exam well.

(Add a question tag)

29. The coffee is so hot that one cannot drink it.

(Use 'too....to')

30. We cannot forget our trip to Ooty.

(Change the voice.)

Register Number :

Name of the Candidate :

5 0 0 7

B.A. / B.Sc. / B.C.A. / B.Music / B.Dance
DEGREE EXAMINATION, 2010

(FIRST YEAR)

(PART - II : ENGLISH)

(PAPER - I)

520 / 121. PROSE AND COMPOSITION

(Including Dual Degree System)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Answer any THREE of the following questions in about 100 words each :

(3 × 5 = 15)

1. Why does Strong object to teachers recommending some books ?

2. Explain briefly how the jet engine works.

3. How did the staff of the school encourage Ommanncy ?

4. Write a note on the vote-recorder invented by Edison.

5. Why does Orwell call some bookshop goers paranoics and lunatics ?

6. Marriage rises from romance to spiritual.- Explain.

II. *Answer any TWO of the following questions in about 300 words each :* (2 ×15 = 30)

7. What, according to C.E.M. Joad, are the defects and advantages of our civilization?

8. What do you gather about Chumley from Gerald M. Durrell's essay ?

9. How does *A Glory Has Departed* by Nehru glow with devotion to the departed leader, Gandhi ?

(b) *Fill in the blanks with suitable articles:* (5)

(i) At ..... time when .....batting average of fifty ..... innings was ..... sure proof of genius, Ranjitsinghji scored 3,000 runs in ..... season. Then in 1901, ... miracles occurred.

(ii) I have ..... sense of utter shame both as ..... individual ..... and as ..... head of..... Government of India that we should have failed to protect ..... greatest treasure that we preserve.

USAGE - B

(c) *Rewrite any FIVE of the following as directed :* (5 ×2 = 10)

24. Nehru has made this speech on Feb. 3, 1948. *(Correct the sentence)*

25. Gandhiji was the greatest Indian of the day. *(Use the Positive degree .)*

Turn Over

17. Give an account of Churchill's political career.

18. Consider Martin Luther King as a political warrior.

19. Why was Camara Laye's mother unwilling to send her son abroad ?

20. Comment on the title of the story "The End of the Party."

21. Why did Raja Raman refuse to salute the Union Jack ?

V. *Make a precis of the following passage in about one-third of its length :* (1 ×10 = 10)

22. Oliver Crownwell was a poineer, as he was bound to be, for he did not belong to the hierarchy of professional men-at-arms. Like Caesar, he took the field as an elderly part politician, but Caesar began with the rudiments of a soldier's training, and Oliver had none. He had a military bible behind him, as Gustavus had the Cyropoedia; he had no practical experience in arms; therefore he

did not begin with a body of doctrine, which Napolean seems to have valued higher than experience, since at St. Helena he declared that he had fought sixty battles and had learned, nothing that he did not know at the outset. Fortunately, he lived in a transistion period of the art of war, and the traditional technique was largely in the melting-pot. He brought to the business a clear notion of what arms must effect and he set himself to learn the best way of doing it. He had certain matural assets. One was the practical man's power of organisation, acquired from his ordinary life, a kind of training which is given to few soldiers. Another was a knowledge of the hearts of his country -men. These two gifts made him an effiective recruiting officer, and an incomparable trainer of troops. He gave England in eight years a new military organisation, built up on the direct needs of the case, and he gave his men a compactness and a discipline which

had not been matched since the Roman Legions. That is his chief claim to military greatness. As a maker of English soldiers, only Sir John Moore is a possible rival.

USAGE - A

23. (a) *Fill in the blanks with suitable prepositions* : (5)

(i) ..... his neck was a thick chain, and its length drooped ..... the tail-board ..... the lorry and disappeared ..... and the depth ..... his crate.

(ii) One was pouring milk ..... a saucer, another prepared a plate ..... food. A small black nose quivered .... exitement as two shinning eyes remarked the preparations ..... the forth coming treat. He was sitting ..... his haunches, begging.

(OR)

10. How does *From the First Invention to Mento Park* show us of the life of a poor and unpopular inventor Edision who acquired wealth and popularity owing to his genius ?

11. "Orwell's *Bookshop Memories* is an authentic record of his experience as a part-time employer in a London bookshop." -Substantiate.

12. Bring out the humour in *The B.B.G.*

III. Answer any ONE of the following questions in about 300 words each : (1 ×15 = 15)

13. Bring out the significance of the title *Great Expectations*.

14. Describe the love affair of Pip and Estella.

15. Sketch the character of Magwitch.

IV. Answer any THREE of the following questions in about 100 words each : (3 ×5 = 15)

16. Explain briefly Edison's inventions.

Turn Over

Register Number :

Name of the Candidate :

5 2 9 2

B.Sc. DEGREE EXAMINATION, 2010

(INFORMATION TECHNOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - III)

550 / 150. FUNDAMENTALS OF DIGITAL COMPUTERS

(New and Revised Regulations)

(Common with B.Sc. Visual Communication)

(New Regulations)

December] [Time : 3 Hours

Maximum : 100 Marks

Turn Over

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Using Boolean laws and rules, simplify the logic expression

   $z = (\overline{A} + B)(A + B)$

2. Elaborate on the basic laws of Boolean algebra with an example.

3. Draw the logic diagram of 8 to 1 line multiplexer.

4. Design half adder using NAND gates.

5. What is meant by microprogramming ?

6. What are the types and application of 8085 microprocessor ?

7. Write a note on CCD.

8. Explain digital recording techniques.

9. Write a note on OCR.

10. Explain teleprinters.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Draw a circuit for parallel binary adder and explain its functions in detail. (20)

12. Describe the different types of addressing modes of 8085 microprocessor. (20)

13. Explain the concepts virtual and Cache memory in detail. (20)

14. Explain in detail CRI and flat panel display. (20)

15. Explain the concept of K-map simplification in detail. (20)

Register Number :

Name of the Candidate :

5 2 9 1

B.Sc. DEGREE EXAMINATION, 2010

(INFORMATION TECHNOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - II)

540 / 140. BASICS / CONCEPTS OF INFORMATION TECHNOLOGY

(New and Revised Regulations)

(Common with B.C.A. Revised Regulations)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Write the advantage and disadvantage of Linux operating system.

Turn Over

2. Explain any one input device.

3. Discuss macros in MS-Access.

4. Explain any two tools bars in MS-Word.

5. Distinguish between LAN and WAN.

6. Define multimedia and topology.

7. Compare client and server.

8. Write the concepts of FTP.

9. How do you create a structure ? Discuss.

10. Write about Tamil Browsers.

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Explain the generation and history of computers. (20)

12. (a) How do you design a database in MS-Access ? Explain. (10)

    (b) What are the features available in MS-Word ? Explain. (10)

13. Explain the following multimedia elements :

    (a) Image. (5)

    (b) Video. (5)

    (c) Audio. (5)

    (d) Text. (5)

14. (a) How will you create a HTML page with hyperlink ? Explain. (10)

    (b) Briefly discuss the E-Mail server. (10)

15. (a) Explain centralization and decentralization in management information systems. (10)

    (b) Write short notes on Padhami software. (10)

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XVIII)

340. SYSTEM SOFTWARE

(Revised Regulations)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. What do you mean by assemblers ?

2. Give a brief account of top-down parsing.

Turn Over

3. What do you mean by macros ? Explain with an example.

4. Write a brief note on cross compiler.

5. What do you mean by scripts ?

6. Explain the design of direct linking loader.

7. Write a brief note on DMA.

8. Explain briefly I/O queues.

9. Explain briefly any two file access method.

10. Explain how you can improve security of a system.

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. What is system software ? Explain the evolution of system software in detail.

12. Describe the program block with examples.

13. Explain control sections and program linking in detail.

14. Explain device independence in detail with examples.

15. Explain the mechanism to support file protection in an operating system.

3. Explain the various interconnection topologies of computer networks.

4. What is meant by bridges ?

5. Explain message switching.

6. What are virtual circuits ?

7. State the applications of LAN.

8. Explain WAN in detail.

9. What is meant by Domain Name System ?

10. Explain the various classes of IP addresses.

PART - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Explain the functions of different layers of ISO-OSI reference model.

12. What are interconnectivity tools ?

13. Discuss circuit and packet switchings in detail.

14. Explain ISDN broadband protocol architecture.

15. Describe the internet control protocol.

Register Number :

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5 2 8 8

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XVII)

330. COMPUTER NETWORKS

(Revised Regulations)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. What are the various advantages of computer network ? Explain.

2. Explain the design issues of various layers.

Turn Over

Register Number :

Name of the Candidate :

5 2 8 7

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XV)

310. INTERNET AND JAVA PROGRAMMING

(Revised Regulations)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Explain the following :

   (a) Mailers.

   (b) Mail servers.

Turn Over

(c) Mail boxes.

(d) Bauce feature.

2. Explain each component of the following URLS:

   (a) ftp : // ftp.bio.umaine.edu

   (b) http : // www .chem.uab.edu

   (c) https : // www.bankvault. com

   (d) telnet : // www amnesty.org

   (e) mail to : kim.lee@my-company.com

3. Explain with example the control statements in JAVA.

4. What are the features of JAVA ?

5. What are interfaces ? Explain with example.

6. Write a simple JAVA program to find the grade of a student using classes.

7. What are the various synchronisation methods available for JAVA threads ?

8. Briefly explain the exception handling concepts of JAVA.

9. What is an applet ? Explain.

10. Write short notes on AWT controls.

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. What are various issues in the creation, maintenance and security of a website ?

12. Write a JAVA program for string manipulation.

13. The base class in a Bank Account has the following features (customer id, name, sex, age, balance). The methods are deposit, withdrawal and check balance. Two classes savings account and current account are derived from the base class model. The above details in a JAVA program, using inheritance and interfaces.

14. Explain the various features of the input / output class in JAVA.

15. Explain in detail a applet life cycle with example.

Register Number :

Name of the Candidate :

5 2 8 6

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - XII)

260. VISUAL PROGRAMMING

(Revised Regulations)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Explain the different types of variables used in VB with example.

2. Differentiate DLL from OLE.

Turn Over

3. Write short notes on user document object.

4. Write short notes on Menus.

5. Give the different types of errors.

6. Explain the use of immediate window.

7. Explain the different data types used in VB with examples.

8. What is an Active - X control ?

9. Explain the use of < BLOCK QUOTE> with an example.

10. What is the role of < hr > tag ? What are the various attributes it can take ?

PART - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) List the different windows available in Visual Basic 6·0 and explain its use.(10)

    (b) Explain the msgbox and inputbox function available in Visual Basic. (10)

12. Explain the different loop structures available in Visual Basic with examples. (20)

13. Explain how errors are detected and corrected in Visual Basic. (20)

14. (a) Explain how to create and compute an Active-X component. (10)

    (b) Discuss the various methods and events for the data control. (10)

15. (a) Describe any four attributes that can be included in <TABLE> tags with an example. (10)

    (b) Explain the steps involved in connecting a database using data control. (10)

14. Explain Boyce Codd Normal Form (BCNF). (20)

15. Explain in detail cursor managemnet in PL-SQL . (20)

Register Number :

Name of the Candidate :

5 2 8 5

B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - XII)

240. RELATIONAL DATABASE MANAGEMENT SYSTEM

(Revised Regulations)

(Including Lateral Entry)

(Common with B.C.A. Revised Regulations & Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

Turn Over

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. What are obeject based logical models ?
2. What are integrity constraints ?
3. Explain physical schema.
4. What are the features of ER model ?
5. What are the several aspects of SQL?
6. What is QBE ?
7. What are the problems caused by redundency?
8. Explain closure property.
9. What is Anonymous Block in PL-SQL ?
10. Write the syntax of *while loop* in PL-SQL.

PART - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Explain with a neat diagram, the architecture of a database system.

12. Design and draw an ER diagram for a University project

    * Professors have SSN, name and age and research speciality.
    * Projects have project number, sponsor name, starting date and ending date.
    * Graduate students have SSN, name, age and degree program.
    * Each project is managed by one professor.
    * Professors can manage multiple projects.
    * Each projet is worked on by more than one graduate student.

13. Write short notes on :

    (a) Equi join. (5)

    (b) Cross join. (5)

    (c) Other join. (5)

    (d) Self join. (5)

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - X)

250 / 220.WEB DEVELOPMENT TOOLS

(Revised Regulations)

(Common with B.Sc.(I.T) Revised Regulations and B.Sc. (I.T) Double Degree, Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Write a note on dialog boxes.

Turn Over

2. Explain HTML forms.

3. Differentiate HTML from DHTML.

4. What are the advantages of DHTML ?

5. What are the features of Java Script?

6. Write a note on Java Script object model.

7. Explain the process of getting input from the user using Java Script.

8. Discuss various data types of Java Script.

9. Discuss layers in Java Script.

10. Write a Java program to print the Fibonacci series.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Explain the capability of HTML text formatting and linking. (20)

12. (a) Describe how the meta tags are used for designing the website. (12)

    (b) Write a note on CSS. (8)

13. (a) Discuss the need for scripting language.(8)

    (b) Discuss the method of assigning event handlers in DHTML. (12)

14. (a) Explain the properties of Java Script language. (10)

    (b) Explain the looping statemnts in Java Script language. (10)

15. Discuss browser detection and arrays in detail. (20)

Register Number :

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - VI)

210 / 240.COMPUTER ARCHITECTURE AND MICROPROCESSORS

(Revised Regulations)

(Common with B.Sc.(I.T) Revised Regulations)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Explain how to represent negative numbers using 1's complement..

Turn Over

2. Discuss the steps to convert binary to hexadecimal with examples.

3. Write a general form of the assembly instruction of 8085.

4. How do you initiate operations in 8085 ?

5. What is meant by memory map ?

6. Explain various 8085 instruction types.

7. Discuss various logical operations.

8. What is the use of time-delay ?

9. Explain how subroutines are used.

10. Explain the procedure for BCD to binary conversions.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Discuss the architecture of 8085.

12. Explain various addressing modes of 8085.

13. Discuss various counters.

14. Write an 8085 assembly program to PUSH and POP stack element.

15. Discuss software development systems.

Register Number :

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - VIII)

230 .OBJECT ORIENTED PROGRAMMING USING C++

(Revised Regulations)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. List the data types in C++. Give examples of each data type.

Turn Over

2. What is object oriented programming?

3. What is constructor ? How does it differ from member function ?

4. Explain class and objects.

5. What are pointers ? How can we access an object through pointer ? Give an example.

6. Explain hybrid inheritance.

7. Write a program to open a file in binary mode. Write and read the data.

8. How do you handle error during file operations ?

9. What are the advantages of data structure ?

10. Write a note on stack.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) List the principles of object oriented programming. (10)

    (b) Write any two applications of object oriented programming. (10)

12. Does function overloading and operator overloading demonstrate polymorphism ? Justify your answer through a suitable explanation. (20)

13. Explain different types of inheritance with examples. (20)

14. Explain how file I/O operations are achieved in C++. (20)

15. Write a program in C++ to create a linked list and write a procedure to perform insert and delete. (20)

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - VIII)

220 / 250 / 210. OPERATING SYSTEM

(Revised Regulations)

(Common with B.Sc.(I.T) Revised Regulations and B.C.A. Revised Regulations & Double Degree)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Compare multiprogramming systems with multiprocessing systems.

Turn Over

2. Explain contact switch with suitable diagram.

3. Illustrate elevator algorithm with example.

4. What is Belady's anomaly ? Explain.

5. What are the design principles of UNIX ?

6. Write short notes on programmer interface in UNIX.

7. Give a note on the history of Windows NT.

8. Write short notes on Windows NT security model.

9. What are the contents of the registration tables in LINUX ?

10. How is security provided in LINUX systems?

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) Explain the different types of operating system structures. (10)

    (b) What are the various performance criteria for scheduling algorithms ? (10)

12. Explain in detail the different types of file allocation methods. (20)

13. Write in detail about interprocesses communication in UNIX. (20)

14. Discuss in detail the networking principles of Windows NT. (20)

15. Explain in detail memory management in Linux. (20)

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XVI)

711 / 320 / 340. COMPUTER GRAPHICS

(Common to New & Revised Regulations B.Sc. (I.T)Revised Regulations, Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. What is computer graphics ? Explain the Raster display processor.

Turn Over

2. Explain the conceptual framework for the interactive graphics.

3. Explain the types of character manipulation.

4. What do you mean by windowing transformation ?

5. Write a brief note on parallel projection.

6. Explain the method of representing a 3D object.

7. Give a brief account of solid modeling.

8. Explain the various graphics file formats.

9. Explain how to define windows in graphic system.

10. Explain the menu design for graphic system.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Describe the various uses of computer graphics in detail.

12. Explain the 2D transformation and their matrix representation.

13. Describe the various 3D display techniques.

14. Describe the various colour models in graphics modeling in detail.

15. Write a detailed note on input and output handling in windows system.

Register Number :

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(FIRST YEAR)

(PART - III)

(PAPER - IV)

561 / 160. UNIX AND C

(Common with New & Revised Regulations)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8 × 5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Give short notes on UNIX operating system.

2. What do you mean by shell programming ? Give the meaning of quoting with an example.

3. Discuss text processing.

Turn Over

4. What are debugging tools ?

5. What do you mean by variables ? How do you initilize variables ?

6. Write the use of break and continue statements.

7. Define Array. How do you declare an array?

8. Give a short note on pointers and character strings.

9. How do you declare structure variables ? Give examples.

10. What is stack ? Write the several operations of stack.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) List and explain any five basic UNIX commands. (10)

    (b) Write about UNIX fundamentals. (10)

12. (a) Discuss SHELL variables with examples. (10)

    (b) Explain the UNIX directory system of files. (10)

13. What are operators ? Explain the types of opeators in C with suitable examples. (20)

14. (a) How do you declare function ? Explain passing by value and passing by reference with examples. (10)

    (b) Discuss multidimensional arrays and pointers. (10)

15. (a) What is doubly linked list ? Write the methods of traversing a node. (10)

    (b) Give a short note on singly linked list with examples. (10)

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(FIRST YEAR)

(PART - III)

(PAPER - III)

551 / 540 / 150. DATA STRUCTURES AND ALGORITHMS

[(Common with New & Revised Regulations,and Double Degree and B.C.A.(New Regulations)]

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
All questions carry equal marks.

(5 × 20= 100)

1. (a) What do you mean by primitive data structure ? (8)

Turn Over

(b) Compare stack and queue. Describe the structure of stack. (12)

2. (a) What is simulation ? Discuss how linked list is used for simulation. (10)

(b) Write a note on binary trees. (10)

3. What is hashing ? Discuss any three hashing techniques. (20)

4. Explain tree sort algorithm. Give the steps followed in this sort with a suitable example. (20)

5. (a) What is sequential search ? Discuss an algorithm for sequential search. (10)

(b) Describe the linked representation of a binary tree. (10)

6. Explain in detail the Huffman algorithm with a suitable example. (20)

7. (a) Write an algorithm for quick sort and explain its working. (15)

(b) Write an algorithm for insertion sort. (5)

8. (a) Discuss the following operation with respect to linked list :

(i) Inserting an element at the beginning.

(ii) Deleting an element at the end. (10)

(b) Distinguish between linear and non-linear data structure. (10)

Register Number :

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B.Sc. DEGREE EXAMINATION, 2010

(COMPUTER SCIENCE)

(FIRST YEAR)

(PART - III)

(PAPER - I)

531 / 130. BASICS OF INFORMATION TECHNOLOGY

(New & Revised Regulations)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
All questions carry equal marks.

(5 × 20= 100)

1. (a) Describe the different types of software with examples. (10)

   (b) List the different software development steps and explain them.. (10)

Turn Over

2. (a) Explain the different components of a computer system with block diagram. (10)

   (b) Explain the various generations of computers. (10)

3. (a) Explain the features of Power Point package. (10)

   (b) How do you create different types of charts using Excel ? (10)

4. (a) Explain various types of network topologies. (10)

   (b) Describe the basic concept of multimedia. (10)

5. (a) Briefly explain Desktop Publishing software. (10)

   (b) Explain in detail the working process of internet. (10)

6. (a) How do you create an E-Mail id ? Explain. (10)

   (b) Explain the classful and classless internet addressing. (10)

7. (a) Discuss the concepts of Management Information System (MIS). (10)

   (b) Describe in detail web development tools. (10)

8. (a) Explain the details different programming languages. (10)

   (b) Write short notes on : (10)

      (i) Tamil Web Browsers.

      (ii) Tamil E-Mail.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
No answer should exceed 1,500 words.
ALL questions carry equal marks.

21. Write an account of the biotic community.

22. Describe pond as an ecosystem.

23. Explain cursorial adaptation.

24. Write an account of the biochemical evidence of evolution.

25. Explain Hardy-Weinberg law of genetic equilibrium.

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - VII)

750. ECOLOGY AND EVOLUTION

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer TEN questions.
No answer should exceed FIFTY words.
ALL questions carry equal marks.

1. Lithosphere.

2. Shelford's law.

3. Thermocline.

4. Food chain.

Turn Over

5. Biome.

6. Ectoparasite.

7. Fossorial.

8. Ecological pyramid.

9. Polyploidy.

10. Jurassic era.

11. Genetic drift.

12. Polymorphism.

13. Lamarck's concept.

14. Archaeopteryx.

15. Cromagnon.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
Each answer should not exceed 300 words.
ALL questions carry equal marks.

16. (a) Write an account on various abiotic environmental factors.

(OR)

(b) Explain the interaction between environment and biota with an example.

17. (a) Describe the concept of an ecosystem.

(OR)

(b) Explain the ecological succession in a forest ecosystem.

18. (a) Describe the flight adaptations of a biod.

(OR)

(b) Explain cane adaptations.

19. (a) What is hybridization ?

(OR)

(b) What is micro-evolution ? Explain with examples.

20. (a) Explain warning colouration.

(OR)

(b) Write an account of the evolution of anthropoid primates.

Turn Over

SECTION - C (3 × 15= 45)

Answer any THREE questions.
No answer should exceed 1,500 words.
ALL questions carry equal marks.

21. Give an account of the theories of preformation.

22. Explain spermatogenesis.

23. Define amphimixis. Explain the physiological changes during fertilization.

24. Describe the development of the heart in chick.

25. What is an organiser ? Describe its structure, properties and functions.

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - VI)

740. DEVELOPMENTAL BIOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
No answer should exceed FIFTY words.
ALL questions carry equal marks.

1. Mosaic theory.

2. Allantois.

3. Telolecithal.

4. Blastopore.

5. Fertilizer.

6. Endoderm.

7. Gastrula.

8. Zona Radiata.

9. Radial clevage.

10. Epiboly.

11. Retina.

12. Umbilical cord.

13. Blastema.

14. Inductor.

15. Metamorphosis.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
No answer should exceed 300 words.
ALL questions carry equal marks.

16. (a) Write an account of the different types of sperms.

(OR)

(b) Classify the vertebrate eggs with examples.

17. (a) Describe the acrosome reaction during fertilization.

(OR)

(b) Write an account of fertilizer and anti-fertilizer reaction.

18. (a) Give an acccount of artifical partheno-genesis.

(OR)

(b) Differentate arrhenotoky from thelytoky.

19. (a) Describe the development of eye in chick.

(OR)

(b) Describe the patterns of cleavage in amphioxius.

20. (a) Explain the role of thyroxine in amphib-ian metamorphosis.

(OR)

(b) Describe the types of regeneration.

Turn Over

SECTION - C (3 × 15= 45)

Answer any THREE questions.
No answer should exceed 1,500 words.
ALL questions carry equal marks.

21. Describe Mendel's laws of segregation and independent assortment with a suitable example.

22. Describe the mechanism of meiotic crossing over in detail.

23. Discuss the mechanism of sex determination in Drosophila and man.

24. Write an account of maternal inheritance in Limnaea.

25. Give an account of Down's syndrome and Klinefelter's syndrome.

Register Number :

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - V)

730. GENETICS

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
No answer should exceed FIFTY words.
ALL questions carry equal marks.

1. Back cross.

2. Rh factor.

3. Pleiotropism.

4. Polygenes.

5. Linkage group.

6. Synapsis.

7. Gynandromorph.

8. Holandric genes.

9. Sex limited genes.

10. Kappa particles.

11. Cistron.

12. Mutagens.

13. Hardy-Weinberg law.

14. Euhenics.

15. Pedigree chart.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
No answer should exceed 300 words.
ALL questions carry equal marks.

16. (a) Explain dominant epistatis with an example.

(OR)

(b) Explain blood group inheritance in man.

17. (a) Explain polygenic inheritance with an example.

(OR)

(b) Describe the phenomenon of linkage by giving suitable examples.

18. (a) Explain sex linked inheritance with an example.

(OR)

(b) Explain the inheritance of baldness in man.

19. (a) Explain various kinds of intra-chromosomal aberrations.

(OR)

(b) Explain various types of point mutations.

20. (a) Explain the measures to be adopted for positive eugenics.

(OR)

(b) Write an account of Turner's syndrome.

(b) Compare the events of mitosis and meiosis.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
No answer should exceed 1,500 words.
ALL questions carry equal marks.

21. Describe the ultrastructure and functions of plasma membrane.

22. Describe the origin, chemical composition and functions of lysosomes.

23. Describe the structure and functions of mitochondria.

24. Give an account of the structure, functions and special types of chromosomes.

25. Describe in detail the process of cell division in meiosis.

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - IV)

720. CELL BIOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
No answer should exceed FIFTY words.
ALL questions carry equal marks.

1. Protoplasm theory.

2. Eukaryote.

3. Active transport.

4. Smooth endoplasmic recticulum.

5. Polyribosome.

6. Autolysis.

7. Golgi apparatus.

8. Cristae.

9. Electron transport.

10. Karyolymph.

11. Chromonema.

12. Translation.

13. Karyokinesis.

14. Chiasmata.

15. Terminalization.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
Each answer should not exceed 300 words.
ALL questions carry equal marks.

16. (a) Explain the structural features of a prokaryote.

(OR)

(b) Distinguish between phagocytosis and pinocytosis.

17. (a) Describe the structure and functions of endoplasmic recticulum.

(OR)

(b) Describe the process of biogenesis of ribosomes.

18. (a) Write an account of "Golgi complex and secretion."

(OR)

(b) Give an account of the chemical composition and enzyme system of mitochondria.

19. (a) Describe the structure and functions of nucleolus.

(OR)

(b) Explain the central dogma of protein synthesis.

20. (a) Explain the major features of each mitotic phase.

(OR)

(b) Explain the act of fertilization in detail. Supplement your answer with a suitable diagram.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
No answer should exceed 1,500 words.
ALL questions carry equal marks.

21. Describe in detail various feeding mechanisms found in organisms.

22. Describe the internal structure of the human heart. Add a note on the nervous and hormonal control on the rate of heart beat.

23. Give a detailed account of respiratory pigments in different phylogenetic groups.

24. Draw a neat labelled diagram of the L.S. of a mammalian kidney. Discuss how the kidneys help in osmoregulation and excretion in mammals.

25. Hibernation is an adaptation to overcome winter. - Justify.

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - III)

710. ANIMAL PHYSIOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
Each answer should not exceed FIFTY words.
ALL questions carry equal marks.

1. Co-enzyme.

2. Compound stomach.

3. Filter feeding.

4. Mitral value.

Turn Over

5. Anticoagulants.

6. Book lungs and gill books.

7. Bowmen's capsule.

8. Bipolar neurons.

9. Hibernation.

10. Ovulation.

11. Sertoli cells.

12. Forea centralis.

13. Respiratory quotient.

14. Prostate gland.

15. SA node.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
No answer should exceed 300 words.
ALL questions carry equal marks.

16. (a) (i) Explain holozoic and saprozoic nutrition.

(ii) Distinguish between co-enzyme and co-factor with examples.

(OR)

(b) How are carbohydrates classified ?

17. (a) Explain the process of coagulation of blood.

(OR)

(b) What are the pacemakers ?

18. (a) Describe the structure of the respiratory organs of Molluscs.

(OR)

(b) What is Bohr effect ? .

19. (a) Describe the structure of a neuron.

(OR)

(b) Describe the structure of a skeletal muscle.

20. (a) Describe the structure and functions of mammalian ovary with a diagram.

(OR)

Turn Over

(b) Comment on the following :

(i) Structure of heart of Calotes.

(ii) Labelled diagram of V.S. of kidney of a mammal.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
Each answer should not exceed 1,500 words.
ALL questions carry equal marks.

21. Classify protochordates upto orders with suitable examples with a note on their interrelationship.

22. Write an essasy on "migration in fishes."

23. (i) What are the salient features of urodela?

(ii) Describe the structure of poison apparatus of the snake. Add a note on the biting mechanism.

24. Give a detailed account of 'Flightless birds."

25. Write notes on the following :

(i) Affinities of egg laying mammals.

(ii) Architecture of integument in a mammal with a diagram.

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(SECOND YEAR)

(PART - III)

(GROUP - A : MAIN)

(PAPER - II)

640. ANIMAL DIVERSITY - II
(CHORDATA)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
Each answer should not exceed FIFTY words.
ALL questions carry equal marks.

1. Sea squirt.

2. Solenocytes.

3. Ammocoetus larva.

4. Ampulla of Lorenzini.

5. Ctenoid scale.

6. Catadromous fish.

7. Axolotl larva.

8. Enhydrina.

9. Down feather.

10. Synsacrum.

11. Heterodent dentition.

12. Echidna.

13. Chelenia.

14. Metanephric kidney.

15. Alytes.

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
No answer should exceed 300 words.
ALL questions carry equal marks.

16. (a) Discuss the systematic position of cephalochordata.

(OR)

(b) Describe the structural organization of Balanoglossos.

17. (a) Compare the male urinogenital system of shark with mullet.

(OR)

(b) List the salient features of petromyzon.

18. (a) Classify reptiles upto orders with suitable examples.

(OR)

(b) Give an account of "Limbless amphibians."

19. (a) Describe the respiratory system of a piegon.

(OR)

(b) Briefly explain the adaptations of aquatic mammals.

20. (a) Write notes on :

(i) Rhyncocephalia,

(ii) Chiroptera.

(OR)

18. Write an essay on Phloem tissue.

19. Write briefly about the structure of ovule.

20. Write an essay on water pollution.

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B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(FIRST YEAR)

(PART - III)

(GROUP - B : ANCIILLARY)

(PAPER - III)

550. BOTANY

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×3 = 30)

Answer any TEN questions.
ALL questions carry equal marks.

Explain the following :

1. Pili.
2. Bacteriophage.
3. Cystocarp.

4. Phialide.

5. Cyathium.

6. Cereals.

7. Golgi complex.

8. Monohybrid cross.

9. Phosphorilation.

10. Food chain.

SECTION - B (5 × 8 = 40)

Answer ALL questions.
ALL questions carry equal marks.

11. (a) Bringout the general characters of virus.

(OR)

(b) Describe the structure of Agaricus fruit body.

12. (a) Explain in detail the gametophyte of Lycopodium.

(OR)

(b) Describe the spikelet of Graminal.

13. (a) Describe the structure of chloroplast.

(OR)

(b) Explain dihybrid cross in detail.

14. (a) Describe the internal structure of dicot root.

(OR)

(b) Explain the structure of collenchyma.

15. (a) Write about the active absorbtion of water.

(OR)

(b) What is meant by ecosystem ?

SECTION - C (3 × 10= 30)

Answer any THREE questions.
No answer should exceed 500 words.
ALL questions carry equal marks.

16. Briefly write about TMV virus.

17. Explain in detail the sporophyte of Funaria.

Turn Over

Register Number :

Name of the Candidate :

5 2 5 0

B.Sc. DEGREE EXAMINATION, 2010

(ZOOLOGY)

(FIRST YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - I)

530. ANIMAL DIVERSITY - I
(INVERTEBRATA)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×2 = 20)

Answer any TEN questions.
No answer should exceed FIFTY words.
ALL questions carry equal marks.

1. Eucoelemata.

2. Parenchymula.

Turn Over

SECTION - B (5 × 7 = 35)

Answer any FIVE questions.
No answer should exceed 300 words.
ALL questions carry equal marks.

16. (a) Give an account of osmoregulation in protozoa.

(OR)

(b) Explain briefly the life history of entamoeba histolytica.

17. (a) Write a note on "spicules in sponges."

(OR)

(b) Describe the part of a colony of obelia with a suitable diagram.

18. (a) List the parasitic adaptations of Taenia solium.

(OR)

(b) Describe the life history of Wuchereria bancrofti.

19. (a) Describe the different types of Nephridia in earthworm.

(OR)

(b) Explain the following :

(i) Affinities of limulus.

(ii) Salient features of insecta.

20. (a) Briefly explain the Echinoderm larvae and their significance.

(OR)

(b) Describe the digestive system of a fresh-water Mussel.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
Each answer should not exceed 1,500 words.
ALL questions carry equal marks.

21. Explain the following :

(a) Cycle of Ross, with reference to plasmodium.

(b) Mode of nutrition in paramecium.

3. Cyclosis.

4. Atoll.

5. Planula.

6. Flame cells.

7. Clibellum.

8. Euplectella.

9. Tube feet.

10. Zoea.

11. Trachae.

12. Metamerism.

13. Green gland.

14. Torsion.

15. Pedicellariae.

22. Write short notes on :

    (a) Corals and coral reefs.

    (b) Gemmule formation in sponges.

23. What are the salient features of nemathelminthes ? Comment on the mode of infection and life history of any nemotode parasite you have studied ?

24. Compare the nervous system of penaeus with earth worm.

25. List the characteristic features of phylum Mollusca. Classify the phylum mollusca upto orders with suitable examples.

Register Number :

Name of the Candidate :

5 2 4 4

B.Sc. DEGREE EXAMINATION, 2010

(BOTANY)

(SECOND YEAR)

(PART - III)

(GROUP : B - ANCILLARY)

660. CHEMISTRY

(Common with B.Sc. Zoology)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (10×3 = 30)

Answer any TEN questions.
ALL questions carry equal marks.

1. Give the compositions and uses of the alloys brass, bronze, nichrome.

2. Mention the important pigments used in paints.

3. State the properties and examples of molecular crystals.

Turn Over

12. (a) What are the various types of crystals ? Give examples.

(OR)

(b) Mention the characteristics and uses of refractories.

13. (a) Explain the isomerism in Maleic acid and Fumaric acid. How do they differ in their properties ?

(OR)

(b) What is Haworth's synthesis ? Explain the mechanism.

14. (a) Discuss the properties and structure of sucrose.

(OR)

(b) Write short notes on RNA.

15. (a) Derive the rate constant of a zero order reaction.

(OR)

(b) Explain the classification of catalysis and give examples.

SECTION - C (3 × 15= 45)

Answer any THREE questions.
ALL questions carry equal marks.

16. (a) What is Aluminothermite process ? How is it used in the metallurgy ? (10)

(b) Explain the heat treatment of steel. (5)

17. (a) Explain various types of glasses and mention the raw materials used. (8)

(b) How are the silicates are classified based on their structure ? (7)

18. (a) What are Racemization and resolution ? Explain the various methods of separation of enantiomers. (10)

(b) Give preparation and uses of Freon and Ascorbic acid. (5)

19. (a) Write short notes on :

(i) Peptide synthesis.

(ii) Derivatives of starch. (10)

(b) Discuss the properties and structure of Fructose. (5)

4. What are the raw materials for the manufacture of glass and cement ?

5. What is hybridization ? Explain the geometry of ethyne.

6, What is Huckel's rule ?

7. Write the ring structure of β -D-glucopyramose.

8. Mention the biological functions of protein hormones.

9. What are catalytic promotors ? Give an example.

10. How is the rate of photochemical reaction determined by experiment ?

SECTION - B (5 × 7 = 35)

Answer ALL questions.
ALL questions carry equal marks.

11. (a) Explain the various methods of concentration of ores.

(OR)

(b) Give the preparation and uses of thio and lead azide.

20. (a) Write notes on activation energy. (5)

(b) Derive the rate constant of a first order reaction. (10)

Register Number :

Name of the Candidate :

5 2 3 2

B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(THIRD YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - VIII)

750. ELECTRONIC INSTRUMENTATION AND INDUSTRIAL ELECTRONICS

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. What is the principle of ohm meter ?

2. How do you measure potential with the help of a CRO?

Turn Over

3. Why is a delay line included in the CRO?

4. What is frequency synthesized signal generator?

5. What are strip chart recorders ?

6. Explain the silicon unilateral switch.

7. Illustrate the basic principle of SCR pulse circuit.

8. Explain briefly the principle of induction heating.

SECTION - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. Explain the principle and working of a vector impedance meter.

10. Explain in detail the working of a digital voltmeter.

11. Explain the principle and function of a sampling storage oscilloscope.

12. Describe horizontal deflection system of an oscilloscope. How do you measure phase and frequency using CRO ?

13. Describe the principle and working of an X-Y recorder and digital tape recorder.

14. Describe the construction, working and characteristics of a Silicon Controlled Rectifier (SCR).

15. Explain the following SCR circuits :

    (a) Over voltage protection.

    (b) Astable multivibration.

16. Describe the theory and applications of induction heating. Discuss its merits and demerits.

15. Discuss the programmable communication interface 8251 and its applications.

16. Write a program with a flow chart to interface a stepper motor with 8085.

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(THIRD YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - VII)

740. MICROPROCESSOR AND APPLICATIONS

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. What are buses ? Explain their types.

2. What are the types of instruction available in 8085 ?

3. Define the following terms :

   (a) Byte.

   (b) Word.

   (c) Register.

   (d) ALU.

4. Write an assembly level program for 8-bit subtraction.

5. Write a short note on DMA.

6. Explain the basic concepts in memory interfacing.

7. Draw the pin configuration of PPI chip 8255.

8. Write a short notes on interfacing data converters.

SECTION - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. Describe the functional pin and block diagram of 8085.

10. Explain various addressing modes and their classifications with examples.

11. What are the classifications of the instructions of 8085 ? Explain with suitable examples.

12. List and explain the following with example :

    (a) Mnemonics used for arithmetic operations.

    (b) Mnemonics used for logical operations.

13. Write an assembly language program in 8085 to add two 8 bit numbers and give an example.

14. Explain in detail the difference between I/O mapped I/O and memory mapped I/O.

Register Number :

Name of the Candidate :

5 2 3 0

B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(THIRD YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - VI)

730. ELECTRONIC COMMUNICATION

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Define amplitude modulation and modulation index.

2. Write short notes on diode detector.

Turn Over

3. What are the characteristics of receivers ?

4. What are the advantages of superheterodyne receiver ?

5. Write short notes on antenna gain.

6. What is radio horizon? In connection with space wave propagation.

7. Explain various types of orbit.

8. Explain the differences between step by step switching and cross bar switching.

SECTION - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. What are the characteristics of FM? Derive an expression for mathematical treatment of FM wave.

10. Write an essay on AM transmitter. Draw a necessary diagram.

11. Write short ntoes on :

    (a) Straight receivers.

    (b) SSB transmission.

12. Discuss the radiation resistance in grounded antenna.

13. Write short notes on :

    (a) Yagi antenna.

    (b) Standing wave ratio.

14. Give a general picture of ionosphere and discuss the mechanism by which the ionosphere affects radio wave propagation.

15. Discuss the working system of public telephone with a block diagram.

16. Explain in detail the telephone systems and draw the circuit diagram of it.

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B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(THIRD YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - IV)

710. ELECTRONIC CIRCUITS

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Explain small signal amplifier.

2. Write notes on multistage feedback amplifiers.

3. Explain power amplifier.

Turn Over

4. Write a note on band pass amplifier.

5. Explain the basic principle of oscillators.

6. Write a note on CMOS technology.

7. Mention some of the op-amp characteristics.

8. Explain analog integrator and differentiator.

PART - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. Give the circuit of a current series feedback amplifier. Obtain expression for

   (a) Voltage gain.

   (b) Input resistance.

10. Explain the working of RC coupled amplifier with a neat diagram.

11. Explain class - A power amplifier. Derive expression for power and efficiency.

12. Explain the principle of a crystal oscillator. Obtain an expression for its frequency of oscillation.

13. Discuss various steps involved in the formation of monolithic circuit.

14. Draw the circuit diagram of astable multivibrator. Also, explain its principle and action.

15. Explain op-amp as sign changer, scale changer, sunmer and differential amplifier.

16. Write note on :

   (a) Voltage to current converter.

   (b) Current to voltage amplifier.

   (c) Logarithmic amplifier.

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B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(SECOND YEAR)

(PART - III)

(GROUP : B - ANCILLARY)

660. COMPUTER AND ITS APPLICATIONS

(Including Lateral Entry)

(Common with B.Sc. Physics)

December] [Time : 3 Hours

Maximum : 75 Marks

Answer any FIVE questions.
All questions carry equal marks.

1. (a) Draw the block diagram of a digital computer showing its essential components. Discuss the function of each component. (10)

Turn Over

(b) Give the various types of computing systems. Mention the important features of each type. (5)

2. (a) What is a floppy disk ? Explain. (5)

(b) Give an account of output peripherals of a computing system. (10)

3. (a) What is a flow chart ? Explain with an example. (10)

(b) Explain briefly CRT terminal in a computer. (10)

4. (a) Explain the various types of constants used in FORTRAN. (9)

(b) Explain the input and output statements in FORTRAN with a suitable example. (6)

5. (a) Discuss in detail the hierarchy followed in evaluating expressions. (7)

(b) Evaluate the following expression :

(i) $9{\cdot}2 - (2{\cdot}0 * 3{\cdot}0 - \frac{14{\cdot}0}{7{\cdot}0}) + 14{\cdot}0 * 0{\cdot}1$

(ii) $J = 2{\cdot}3 * (\frac{3}{2}) - 5.$ (8)

6. (a) Write a program in FORTRAN to find the highest and second highest marks in a class room. (8)

(b) Explain the IF THEN ELSE and CONTIUNE statements. (7)

7. (a) What is a function sub-program ? Discuss the rules to be followed in writing a function sub-program. (8)

(b) Write a sub-routine sub-program which transposes rows and columns of a matrix-A (3×3). Also, write a program which calls sub-program. (7)

8. (a) What is nesting ? State the rule which must be followed in using "NESTED DO LOOP." (7)

(b) Write a program in FORTRAN to evaluate the function :

$$F(x) = 1 + \frac{x^2}{2!} + \frac{x^4}{4!} + \frac{x^6}{6!} + \frac{x^8}{8!} + \frac{x^{10}}{10!}$$

(8)

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B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(SECOND YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - III)

640. MATERIAL PHYSICS AND SEMICONDUCTOR DEVICES

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Explain recombination and trapping process.

Turn Over

2. Explain Avalanche breakdown and Zener breakdown in diodes.

3. Write short notes on diode resistance.

4. Define diode recovery time in forward and backward modes.

5. Discuss briefly the working of an NPN transistor.

6. Write short notes on photodiode.

7. Define the parameters of a FET and establish the relationship between them.

8. Write a note on opto-couplers.

PART - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. (a) Define the terms :

   (i) Depletion region.

   (ii) Barrier potential.

   (b) List the uses of Hall effect.

10. Explain positive and negative temperature co-efficient of a thermistor and discuss its applications.

11. Explain the input and output characteristics of CB configuration of a transistor.

12. What is a tunnel diode ? Draw the V-I characteristics and explain the occurence of the negative differential resistance in the characteristics.

13. Explain the principle, working and construction of LDR.

14. Define the active and saturation region of BJT.

15. Explain the working and construction of MOSFET.

16. Write short notes on :

   (a) Gunn diode.

   (b) Photo diodes.

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B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(FIRST YEAR)

(PART - III)

(GROUP : A - MAIN)

(PAPER - I)

530. ELECTRICITY AND MAGNETISM

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (5×4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Derive an expression for the electric intensity at a point outside an infinite charged cylindrical conductor.

Turn Over

2. Deduce an expression for the capacitance of a parallel plate condenser.

3. Explain in detail how a potentiometer can be used to caliberate a high range voltmeter.

4. Explain how you would determine the Peltier co-efficient experimentally.

5. Discuss Weiss' theory of ferro- magnetism.

6. Define the following :

   (a) Magnetic susceptibility.

   (b) Magnetic permeability.

7. Deduce an expression for the self- inductance of a solenoid.

8. Distinguish between the mean value and RMS value of an alternating current and establish the relation between them.

   (b) Prove that the area of the B-H loop represents the loss of energy in taking a unit volume of a magnetic material through a complete cycle of magnetization.

14. Desribe with necessary theory, Andersen's bridge method for determining the self-inducance of a coil.

15. (a) Give the theory of moving coil galvanometer. Write a note on damping correction.

   (b) Explain how you can use the Ballastic galvanometer to compare the *emf* of two cells.

16. A capacitor 'C' is connected in parallel to a series combination of 'R' and 'L'. The combination is connected across an A.C. source. Find the current in this circuit and obtain the condition for resonance.

PART - B (5 × 16= 80)

Answer any FIVE questions.
ALL questions carry equal marks.

9. (a) Deduce expressions for the potential and intensity due to a charged spherical conductor at a point

(i) Outside.

(ii) Inside the conductor.

(b) The potential on the surface of a spherical drop of water carrying a charged of 6×10^{-8} C is 300 volt. Find the radius of the drop. If two such charged drops coalesce into a single drop, calculate the potential of the new drop ($\varepsilon_r = 80$).

10. (a) Two coaxial coils of nearly the same radius carry current. Evaluate the force between them and find the condition for the force to be a maximum.

(b) Give the principle of a potentiometer. How will you find the internal resistance of a cell using potentiometer ?

Turn Over

11. (a) Apply the principles of thermodynamics to a thermo couple and show that

(i) $P = T \left(\frac{dE}{dt} \right)$.

(ii) $\sigma = T \left(\frac{d^2E}{dt^2} \right)$.

where the symbols have the usal meaning.

(b) The *emf* of a thermo couple, one junction of which is kept at 0ºC, is given by $E = at + bt^2$.

Determine :

(i) Neutral temperature

and (ii) Temperature of inversion.

12. Give an account of Langevin's theory of para-magnetism.

13. (a) Explain the terms :

(i) Residual magnetism.

(ii) Coercive force.

8. (a) Discuss hydrosphere and hydrological cycle. (10)

   (b) Explain the sources of water pollution and the consequences of water pollution. (10)

UNIT - V

9. Write an account of :

   (a) Disposal of solid wastes. (4)

   (b) Causes and consequences of radio-active wastes. (8)

   (c) Energy from wastes. (8)

(OR)

10. (a) Write an essay on various types of assessments of pollution. (10)

    (b) Discuss the general methods of pollution control. (10)

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(THRID YEAR)

(PART - III)

(PAPER - VIII)

740. APPLIED CHEMISTRY - II

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE full question from each unit. ALL questions carry equal marks.

(5 ×20 =100)

UNIT - I

1. (a) State and explain Raoult's law. (4)

   (b) What is meant by azeotropic mixture? How is it formed? How can it be separated? (6)

(c) Discuss the principle and the experimental precedure for steam distillation. (10)

(OR)

2. (a) How are dryers classified ? (4)

(b) Write a note on tray dryers and rotary dryers. (6)

(c) Briefly discuss filter aids. (10)

UNIT - II

3. (a) Explain the static and dynamic characteristics of measuring instruments. (4)

(b) How are vacuum and pressure measured by force balanced technique ? (6)

(c) Explain the theory of flowmeter and describe a flowmeter. (10)

(OR)

4. (a) Name the various techniques used to measure temperature. (4)

(b) Write a note on the importance of flow chart. (6)

(c) Describe scanning and logging device. (10)

UNIT - III

5. (a) Define the term hazards and describe the types of hazards. (10)

(b) Discuss in detail the guidelines and safety methods adopted in industries. (10)

(OR)

6. (a) Describe the qualities and types of fires and discuss the management of fire accidents. (10)

(b) Write an essay on detoxification. (10)

UNIT - IV

7. (a) How is environment classified into various segments? Describe the characteristics of each segment. (10)

(b) Explain in detail air pollution caused by particulate matter. (10)

(OR)

Register Number :

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5 2 2 3

B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(THRID YEAR)

(PART - II)

(PAPER - VII)

730. APPLIED CHEMISTRY - I

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE full question from each unit. ALL questions carry equal marks.

(5 ×20 =100)

UNIT - I

1. (a) List water quality parameters. (4)

   (b) Describe the treatment of water for industrial purposes. (6)

Turn Over

(c) Discuss the process of refining of crude petroleum and the various products obtained in the process. (10)

(OR)

2. (a) Define the terms fuel and calorific value. (4)

(b) Give the preparation and properties of hydrogen and acetylene. (6)

(c) Write an account of the manufacture, properties and uses of LPG. (10)

UNIT - II

3. (a) What are the essential requirements of fertilizer ? (4)

(b) Describe the manufacture of a phosphate fertilizer. (6)

(c) Write an account of any two natural and any two synthetic insectcides. (10)

(OR)

4. (a) Briefly describe the classification of fertilizers. (4)

(c) Describe the production of viscose rayon from its basic raw materials. (10)

(OR)

10. (a) Define pigments and paints. (4)

(b) Describe the manufacturing process of an azodye. (6)

(c) Write a note on the classification of dyes and the principle of dyeing process. (10)

(b) How is urea manufactured ? Give the salient features of urea. (6)

(c) Discuss the manufacturing procss of sugar from sugar-cane. (10)

UNIT - III

5. (a) What is detergent ? How does it differ from soap ? (4)

(b) What is antibiotic ? Discuss the preparation of penicillin and derivatives. (6)

(c) Discuss the structure, manufacture and antibiotic applications of chloromycetin. (10)

(OR)

6. (a) Give the chemical names and the structural formulae of any two soaps.(4)

(b) Describe the method of manufacture of a detergent. (6)

(c) Discuss in detail the cleaning action of soap and detergent. (10)

Turn Over

UNIT - IV

7. (a) What is meant by safety matches ? (4)

(b) Discuss the chemical and physical processes involved in the explosion of an explosive. (6)

(c) How are safety matches manufactured from their raw materials ? (10)

(OR)

8. (a) What is the chemical name of the important constituent of paper ? Give its structural formula. (4)

(b) What is card-board ? Mention the characteristics and applications of card-board. (6)

(c) Discuss the manufacture of paper from its raw materials. (10)

UNIT - V

9 (a) Mention the necessary properties of a fibre. (4)

(b) Discuss the structure and properties of natural rubber. (6)

Register Number :

Name of the Candidate :

5 2 2 0

B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(SECOND YEAR)

(PART - III - B : ANCILLARY)

661. PHYSICS

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 75 Marks

PART - A (5×3 = 15)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Define centripetal force.

2. Explain the phenomenon of temperature of inversion.

3. What are the uses of ultrasonics ?

Turn Over

4. What is meant by double refraction ?

5. Define and explain excitation and ionic potential.

6. Explain nuclear fission and fusion.

7. Convert $(47)_{10}$ to a binary number.

8. State demograns theorems.

SECTION - B (5 × 16= 80)

Answer any FIVE questions..
ALL questions carry equal marks.

9. Explain the method of determination of rigidity modules by torsional oscillation.

10. Derive an expression for direct impact of two smooth spheres.

11. Discuss the excess pressure inside a drop and a bubble.

12. (a) Write a short note on terminal velocity.

    (b) Briefly explain molecular theory of surface tension.

13. With necessary theory, explain the phenomenon of interference in wedge shaped air film.

14. With necessary theory, explain the phenomenon of Newton's rings and any one of applications.

15. Write the principle, construction and working of a Bain bridge mass spectrograph.

16. State the principle, construction and working of RC coupled amplifier.

Register Number :

Name of the Candidate :

5 2 1 8

B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(SECOND YEAR)

(PART - III - GROUP - A : MAIN)

(PAPER - II)

640. ORGANIC CHEMISTRY

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE full question from each unit.
ALL questions carry equal marks.

(5 ×20 =100)

Turn Over

UNIT - I

1. (a) Classify the following reagents as electrophilic or nucleophilic :

(i) CN^-.

(ii) NO_2^+.

(iii) $CH_3\overset{\overset{O}{||}}{C}^+$.

(iv) OH^-. (4)

(b) What are addition reactions ? Explain the reaction involving addition of

(i) Hydrogen bromide to ethylene.

(ii) Chlorine to acetylene.

(iii) Hydrogen to styrene. (6)

(c) Explain any rearrangement reaction and any elimination reaction with examples. (10)

(OR)

10. (a) Give any two methods of preparation of imidazole. (4)

(b) How is the structure of oxazole established ? (6)

(c) Give the preparation, properties, uses and structure of furan. (10)

UNIT - IV

7. (a) How are terpenes classified ? (4)

   (b) Gvie the synthesis of camphor. (6)

   (c) Establish the structure of piperine. (6)

   (d) State and explain isoperene rule (4)

(OR)

8. (a) How are proteins classified ? (4)

   (b) Give the syntheis of piperine. (6)

   (c) Establish the structrue of α - pineine. (6)

   (d) Give the colour reactions of proteins. (4)

UNIT - V

9. (a) How is pyrrole prepared ? (4)

   (b) Establish the structure of pyrridine. (6)

   (c) Give the preparation, properties and structure of indole. (10)

(OR)

2. (a) What are the polymerisation reaction ? How are they carried out ? Discuss the polymerisation of

   (i) Styrene.

   (ii) Vinyl chloride. (8)

   (b) Complete the following reactions. Identify the product (s) formed in each case :

   (i) 2– chlorobutane + alc.KOH $\rightarrow$

   (ii) 1– chloropropane+ aq. NaOH$\rightarrow$

   (iii) Ethylene $\xrightarrow[\text{polymerisation}]{\Delta}$

   (iv) 1–propene + Br_2 $\rightarrow$ ($4 \times 3 = 12$)

UNIT - II

3. (a) How is acrolein manufactured commercially? (6)

   (b) How is cinnamaldehyde prepared? How does it react with

   (i) H^2 / Ni ?

   (ii) Ag_2O.

   (iii) $NaBH_4$. (6)

(c) Discuss hydrogenation of oils. (8)

(OR)

4. (a) Explain the commerical method of manufacture of acetic acid. (6)

(b) How is acetophenone prepared ? (4)

(c) Write a note on esterification of organic acid using acid chlorides. (6)

(d) How is touluene manufactured ? (4)

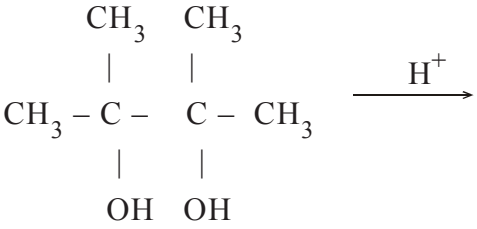
UNIT - III

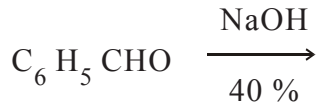
5. (a) What is Aldol condensation ? Explain with example. (4)

(b) What is the stereo specificity of Beckmann rearrangement ? Explain with a specific example. (6)

(c) Briefly discuss Clasisen condensation. Give its mechanism. (6)

(d) Complete the following. Identify the structures of products formed.

(i) 

(ii)  (4)

(OR)

6. (a) What is Cannizzaro reaction ? Explain with two examples. (4)

(b) Write a note on Wagner-Meerwein rearrangement. (6)

(c) What happens when benzil is reacted with alkali ? Give the mechanism of the reaction involved. (6)

(d) Give evidence for the involvement of cyclo propanone intermediate in Favorskii rearrangement. (4)

UNIT - V

9. (a) Discuss subroutines in FORTRAN language with simple program.

   (b) Write a program to sort the numbers in an Array using CALL subroutine.(10+10)

10. (a) Write a program to print the Fibonacci series, where $n = 10$

   $F_n = F_{n-1} + F_{n-2}$

   with seed values $F_0 = 0$ and $F_1 = 1$.

   (b) Give syntax and rules for subroutines with suitable example. (10+10)

Register Number :

Name of the Candidate :

5 2 1 7

B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(FIRST YEAR)

(PART - III - B : ANCILLARY)

551. COMPUTER SCIENCE

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE full question from each unit. ALL questions carry equal marks.

(5 ×20 =100)

UNIT - I

1. (a) Explain the different types of computing system.

   (b) Write the algorithm and flow chart to solve a quadratic equation. (10+10)

2. (a) Discuss the different types of computer programs.

   (b) Explain in detail the functional units of computer system. (10+10)

UNIT - II

3. (a) Explain the classification of computer peripherals.

   (b) Write notes on :

      (i) Plotter.

      (ii) Hard disk. (10+5+5)

4. (a) Explain the storage peripheral and its functionality.

   (b) Discuss in details of output peripherals. (10+10)

UNIT - III

5. (a) Discuss the different character set constants used in FORTRAN. (10)

   (b) Explain the following statements :

      (i) End. (2)

      (ii) Stop. (2)

      (ii) Write. (6)

6,. (a) Write the input and output statements in FORTRAN language.

   (b) Write a FORTRAN program to calculate the simple interest. (10+10)

UNIT - IV

7. (a) Explain the un-control statement in FORTRAN with an example.

   (b) Explain the WHILE DO LOOP control statement in FORTRAN. (10+10)

8. (a) Explain the logical IF and arithmetic IF statement in FORTRAN language.

   (b) Write FORTRAN program to find factorial of input number using function subroutine. (10+10)

8. (a) Write a note on carbonyl compounds.

   (b) Explain Ligand field theory.

   (c) Describe the M.O. theory with an example. (6+6+8)

UNIT - V

9. (a) Explain the various types of ceramics.

   (b) Give the properties and uses of alloys of iron.

   (c) Write the methods for the prevention of corrosion. (6+8+6)

(OR)

10. (a) Describe the applications of ceramics.

    (b) Write the properties and uses of alloys of nickel.

    (c) Explain the various types of corrosion. (6+8+6)

Register Number :

Name of the Candidate :

5 2 1 5

B.Sc. DEGREE EXAMINATION, 2010

(APPLIED CHEMISTRY)

(FIRST YEAR)

(PART - III - A : MAIN)

(PAPER - I)

530. INORGANIC CHEMISTRY

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE full question from each unit. ALL questions carry equal marks.

(5 ×20 =100)

UNIT - I

1. (a) Write the extraction of silver from its ore.

   (b) Write a note on pulverisation.

   (c) Explain the process of gravity separation. (8+6+6)

(OR)

2. (a) Describe the process of froth floatation.

   (b) Illustrate the process of zone refining.

   (c) Explain the extraction of chromium from its ore. (6+6+8)

UNIT - II

3. (a) Write a note on nuclear reactor.

   (b) Explain Soddy's group displacement law.

   (c) Bring out the differences between nuclear fission and nuclear fusion. (7+7+6)

(OR)

4. (a) Give the applications of Radioactive Isotopes in Medicine.

   (b) Write about Wilson's cloud chamber method.

   (c) Explain binding energy and nuclear stability. (7+8+5)

UNIT - III

5. (a) Explain Lux - Flood theory of acids and bases.

   (b) Describe levelling effect.

   (c) Write a note on non-aqueous solvents. (7+6+7)

(OR)

6. (a) Give the applications of liquid ammonia.

   (b) Classify the following as an acid or base :

   (i) NH_3,

   (ii) BF_3,

   (iii) $AlCl_3$,

   (iv) H_3O^+,

   (v) H_2S.

   (c) Write a note on steric effect. (8+5+7)

UNIT - IV

7. (a) Explain the crystal field splitting in octahedral complexes.

   (b) Write a note on VB theory.

   (c) Describe the structure of ferrocene. (6+8+6)

(OR)

Register Number :

Name of the Candidate :

5 2 0 7

B.Sc. DEGREE EXAMINATION, 2010

(MATHEMATICS)

(SECOND YEAR)

(PART - III - B : ANCILLARY)

660. COMPUTER SCIENCE - II

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 75 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×15 =75)

1. (a) Distinguish between primary and secondary storage systems.

   (b) Compare the manual and computerized systems of data processing.

Turn Over

2. (a) Explain source program and object program .

   (b) Explain constants and variables in FORTRAN.

3. (a) Write a program to find the circumference of the circle.

   (b) Explain multiple branching statement.

4. What are the types of FORMAT statement available in FORTRAN ? Explain.

5. (a) Write a FORTRAN program, using logical IF, to find the value of Napier's constant ' e ' which is given by

$$e = 1 + \frac{1}{1!} + \frac{1}{2!} + \frac{1}{3!} + \ldots + \frac{1}{10!}$$

   (b) Draw a flow chart to find all odd numbers between 1 and N.

6. (a) What are the advantages of using array variables ?

   (b) Explain control statements.

7. (a) Explain sub-routine sub-program.

   (b) Write a program to find the product of two matrices A and B of sizes 3×4 and 4×3 respectively.

8. (a) Explain DATA statement.

   (b) Using DO statement, write a program to find squares, cubes and square root of given 100 numbers.

Register Number :

Name of the Candidate :

5 2 0 3

B.Sc. DEGREE EXAMINATION, 2010

(MATHEMATICS)

(FIRST YEAR)

(PART - III - B : ANCILLARY)

540. COMPUTER SCIENCE - I

December] [Time : 3 Hours

Maximum : 75 Marks

Answer any FIVE questions,
choosing not more than THREE from
any Section.
ALL questions carry equal marks.

(5 ×15 =75)

SECTION - A

(PROGRAMMING IN BASIC)

1. (a) Explain machine language and assembly language.

Turn Over

(b) Explain :

(a) Procedure oriented language.

(b) Time sharing mode.

2. (a) Draw a flow chart to find the roots of a quadratic equation

$ax^2 + bx + c = 0$.

(b) Explain the difference between the STOP and END statement.

3. (a) Write a program using FOR-NEXT for the sum

$S = 1 + x + x^2 + ... + x^n$,

for $n = 10, 20. 30.$

(b) Explain :

(i) DIM statement.

(ii) Control statement in BASIC.

4. (a) Using sub-routine find the factorial of a number.

(b) Explain :

(i) TAB function.

(ii) PRINT statement

SECTION - B

(Programming in COBOL)

5. (a) Write a note on COBOL coding sheet. Also define the A-margin and B- margin.

(b) What is the purpose of level structure in DATA - DIVISION ?

6. (a) Explain any four editing characters with suitable examples.

(b) Write a note on picture clause.

7. Write a COBOL program to add and subtract two matrices of order 3×3.

8. Explain any four procedure division statements of sequential file.

3. List the various endocrine glands and explain its role in the maintenance of homeostatasis.

4. Highlight the structure and functions of muscles.

5. Bring out the functional status of cerebral cortex.

6. Explain the phenomenon of proprioception.

7. Define audition and explain auditory mechanism.

8. Outline the anatomical features of the human eye.

9. What does the term Brain dynamics indicate? Discuss.

10. *Write short notes on any TWO of the following :*

    (a) Perception.

    (b) Olfaction.

    (c) C.S.F.

    (d) Meditation.

Register Number :

Name of the Candidate :

5 2 0 1

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - IX)

730. PHYSIOLOGICAL PSYCHOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Explain the basic physiological approaches to an understanding of behaviour.

2. Outline the properties and functions of a cell.

3. Enumerate the causes of loneliness and give some suggestions for coping with loneliness.

4. Write an essay on 'mass communication.'

5. Explain the correspondence between attitude measures and behaviour.

6. Examine the concept of prejudice.

7. What is a group ? Comment on communication in groups.

8. Explain the different types of leaders.

9. Examine the factors of marital satisfaction and dissatisfaction.

10. *Write short notes on any TWO of the following :*

    (a) Consumer behaviour.

    (b) Stresses on working women.

    (c) Group productivity.

    (d) Altnuism.

Register Number :

Name of the Candidate :

5 2 0 0

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - VIII)

720. SOCIAL PSYCHOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Write an essay on the development and perspective of social psychology.

2. Examine the differences between male and female behaviour connected with society and sex.

4. How does emotional awarness enhance effective human behaviour ? Discuss.

5. Write an essay on self concept.

6. How does one understand and begin relationship ? Examine.

7. Explain sex roles and sexuality in detail.

8. Discuss the causes of divorce. Explain the alternatives to marriage.

9. Delineate the core concepts of work and leisure.

10. How do personal freedom and decision making contribute to personal growth ?

11. Describe the process of self-directed change.

12. Answer any TWO of the following :

    (a) Troublesome emotions.

    (b) Choosing a mate.

    (c) Leisure.

    (d) Goal setting.

Register Number :

Name of the Candidate :

5 1 9 9

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(THIRD YEAR)

(PART - III)

(PAPER - VII)

710. PSYCHOLOGY OF ADJUSTMENT

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Discuss the self- actualisation as a product of adjustment and personal growth.

2. Elaborate on the physiological and psychological motives.

3. Describe the nature of stress. How can stress be managed ?

Turn Over

4. Distinguish between line, staff and auxillary agencies.

5. What is span of control ?

6. Explain bureautcratic theory of Max Weber.

7. Examine the fuctions of the Chief Executives.

8. Describe the qualities of a good leader.

9. Examine the process of policy formulation.

10. *Write short notes on any TWO of the following :*

    (a) Unity of command.

    (b) Bureaucratic theory.

    (c) Field organisation.

    (d) Leadership.

Register Number :

Name of the Candidate :

5 1 9 8

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(SECOND YEAR)

(PART - III)

(PAPER - VI)

660. PRINCIPLES OF PUBLIC ADMINISTRATION

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. What is 'politics - administration dictionary'?

2. Is Public Administration an Art ? Explain.

3. What is supevision ? Explain the qualities of a supervisor.

3. Explain the situational disturbances of non-psychotic disorder.

4. Elaborate on psychoanalysis.

5. Elucidate operant learning.

6. Explain the types of psychophysiological disorders.

7. Summarize the biological determinants for schizophrenia.

8. Describe the types, causes and treatment for paranoia.

9. Explain childhood psychoses.

10. Elucidate organic brain syndromes.

Register Number :

Name of the Candidate :

5 1 9 7

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(SECOND YEAR)

(PART - III)

(PAPER - V)

650. ABNORMAL PSYCHOLOGY

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Explain the psychological view of abnormal behaviour.

2. Describe the social learning approach to abnormal behaviour.

Turn Over

3. Examine the role of individual differences in the behaviour of the neonate.

4. How is language acquired during toodlerhood?

5. Elaborate on the various approaches to child rearing.

6. Elucidate the role of culture in upgrading children.

7. List the various effects of daycare on cognative development.

8. What are the types of play during pre-school years ?

9. Elaborate on the self awareness development during middle childhood.

10. Examine the impact of peer group and group norms on middle childhood.

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5 1 9 6

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(SECOND YEAR)

(PART - III)

(PAPER - IV)

640. CHILD DEVELOPMENT

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Elaborate on the various views about child psychology.

2. Explain the impact of RH factor on the mother and the child.

3. What is meant by 'sanitation'? Highlight the various best sanitation methods.

4. Explain the term industrial hazards.

5. Bring out the principles of health education.

6. Write an essay on ICMR group of foods.

7. Do nutritional feeding programmes adopted by government serve the objective ? Highlight its' merits and demerits.

8. Bring out the role of Primary Health Centers in the maintenance of public health.

9. Discuss health management.

10. List the various records being maintained by the Health Department and trace the methods used in the preservation of vital records.

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5 1 9 5

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - III)

550. NUTRITION AND HEALTH MANAGEMENT

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. What are the basic components of public health? Explain.

2. Outline the meaning of the term family planning and bring out the methods of implementing it.

Turn Over

3. Define society and discuss its significance in sociology.

4. Distinguish between primary and secondary groups.

5. Define marriage and discuss the different forms of marriages.

6. What are the forms of family ? Distinguish between matriarchal and patriarchal family.

7. What is meant by social mobility ? Discuss its different types.

8. Define social change. Explain the impact of industrialisation on social change.

9. What are the causes of social change ?

10. *Write short notes on any TWO of the following :*

    (a) Community.

    (b) Association.

    (c) Socialization.

    (d) Social evolution.

Register Number :

Name of the Candidate :

5 1 9 4

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - II)

541. FUNDAMENTALS OF SOCIOLOGY

(For the Candidates joined during 2009-10 only)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. Define sociology and discuss how it is a science.

2. Bring out the importance of sociology.

Turn Over

SECTION - A

1. Describe deduction and induction reasoning.
2. Give a description of sources and conditions of good hypothesis.
3. Critically evaluate Mill's experimental methods.
4. Post hoc ergo proper hoc. - Elaborate.
5. Sort out the problems of knowledge.

SECTION - B

6. List and explain the sources of knowledge.
7. Compare and constrast the theories of truth.
8. Describe monism and pluralism.
9. Write and explain the contribution of empiricistic thinkers to the theory of knowledge.
10. Discuss the forms of realism in detail.

Register Number :

Name of the Candidate :

5 1 9 3

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - II)

540. EUROPEAN LOGIC AND THEORY OF KNOWLEDGE

(For the Candidates joined during 2008-09 and before)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions,
choosing at least THREE from each Section.
ALL questions carry equal marks.

(5 ×20 =100)

2. What is the impact of endocrine system on behaviour ?

3. Explain perceptual constancies.

4. What is instrumental conditioning ? Explain.

5. Explain the neural basis of language.

6. Explain homeostasis and drives.

7. How can intelligence be measured ? Explain.

8. Discuss the psychoanalytic approach to personality.

9. How does gender and culture influence emotion ?

10. *Write notes on any TWO :*

    (a) Social learning and conditioning.

    (b) Genetics of personality.

    (c) Hypnosis.

Register Number :

Name of the Candidate :

5 1 9 2

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - I)

531. GENERAL PSYCHOLOGY

(For the Candidates joined during 2009-10 only)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questios.
ALL questions carry equal marks.

(5 ×20 =100)

1. Explain the behavioural perspective to psychology.

3. Explain cognitive learning theories.

4. Explain the major intelligence tests.

5. What is motivation ? Differentiate learned from unlearned motivation.

6. Explain Skinner's contribution to understanding personality.

7. What are the theories that explain emotion ?

8. How can personality be assessed ? Explain.

9. Explain the contributions of trait theories to personality.

10. Write notes on :

    (a) Explain research strategies in psychology.

    (b) How do male and female brains differ ?

    (c) Explain hypnosis.

Register Number :

Name of the Candidate :

5 1 9 1

B.Sc. DEGREE EXAMINATION, 2010

(PSYCHOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - I)

530. GENERAL PSYCHOLOGY

(For the Candidates joined during 2008-09 and before)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
ALL questions carry equal marks.

(5 ×20 =100)

1. What is the influence of harmones on behaviour?

2. What is extra sensory perception ? Explain.

Register Number :

Name of the Candidate :

5 1 7 6

B.Sc. DEGREE EXAMINATION, 2010

(FASHION DESIGN)

(SECOND YEAR)

(PART - II)

(PAPER - II)

201 /210 . ENGLISH COMPOSITION AND BUSINESS CORRESPONDENCE

[Common with B.Sc. Textile Design & B.Sc. Interior Design & B.A. (Travel,Tourism & Ticketing)]

December] [Time : 3 Hours

Maximum : 60 Marks

Answer Section -A and Section - B in separate answer books.
ALL questions carry equal marks.

Turn Over

SECTION - A (30)

(ENGLISH COMPOSITION)

I. *Write essays on TWO of the following in about TWO pages :* (2×9=18)

1. Sketch the character of Joe, the blacksmith.

2. What makes Miss Havisham change her mind at last ?

3. Describe the social conditons of the Victorian Age as reflected in 'Great Expectations.'

4. Discuss the rise and fall of Henchard as the Mayor of Casterbridge.

II. *Write a precis of the following passage in about one-third of its length* : (12)

A designer boutique hotel, like the Manor, entrenched in Friends Colony, Delhi is one where the style of the property is stressed with regard to every detailing that goes into designing it in terms of the rooms, bathrooms, cushions, flooring, etc. Treading

requires few machineries to be imported from France. Draft a letter to the Senior Manager of State Bank of India, Entrepreneurail Development Branch, Chennai for financial accommodation to a tune of Rs. 25 lakhs to execute the project.

5. You are the first rank holder in the Fashion Design / Textile Design / Interior Design programme for which you are awarded the gold medal by the Chancellor of the Univrsity. You have to make an application to the prospective employer incorporating all your credentials justifying your selection.

SECTION - B (3 × 10= 30)

(Business Correspondence)

Answer any THREE questions.

1. Present a scientific structure of a business letter with a brief explanation on each of its components.

2. You have given an assignment to Easwari Decors, Pune to design the interiors of your dream home at Chennai. But the specifications are not perfectly adhered. Make out a complaint to Pune office to rectify at the earliest.

3. Annamalai University is planning to launch distance learning programmes on Fashion Design, Textile Design and Interior Design simultaneously. As the Registrar of Annamalai University, draft a circular letter highlighting the scope of the programme to be launched soon.

4. Dr. Ramanathan, a retired chemical engineer, has developed taste in textile designing. For converting his passion into business, he

through its gates, the building itself reminded one of a typical colonial type of bungalow. Arthi was allured by the exceptional design style of Manor besides the serenity and the hush green environment.

What appealed to her the most was the use of sober colours and designs to do up the interiors. For instance, the stylish lobby contrasts the cool Italian Mosaic flooring with warm, rich wood panelling on the walls. She happened to come across a high profile client staying at Manor. Daneil Adric, a designer from Paris who loves the style of the property, the fusion of modern and classic.

The rooms render a spacious feel with high celings. Since Manor has a small inventory of rooms, each room is individually decorated with soothing and soft tones ranging from catomel to beige to moss green. There are just about 15 rooms in hotel : two standard, five superior, seven junior suites and one Manor suite. Standard rooms being

smaller, have a queen-size bed and a writing table. Some suites have a combined sitting area and bedroom alongwith a king-size bed, sofa, chairs and a large writing table. But her brownie point goes to the Manor suite located on the upper floor of the hotel which opens up to its own sitting room. It also comprises a separate bedroom, dressing room, bathing area and a private outdoor terrace with a garden view.

The basic essence of the Manor is service; the way they serve their guests, relate to them as well as run their restaurant. Since people are well-travelled these days, all they look for is uniqueness of services' which is easy to achieve in a boutique property as a result of the special staff structure and product structure. If you decide to stay at the Manor, get ready to be thoroughly coddled, with every request of yours fulfilled to perfection making a guest feel special and at home. This is certainly not possible in other star hotels where the service is more standardised and for a reason.

Her experience of the Manor reached its pinnacle at the restaurant, "Indian Accent." Encompassing an amalgamation of global cuisine alongwith the Indian taste this restaurant is truly one of the gems of gastronomic delights of Delhi. Chef Monish Mehrotia deserves all the credit for bringing such an inventive menu to this restuarant. He has managed to combine flavours that go together and this fusion has indeed worked well. An experience to itself, you can enjoy an all-day menu at the Indian Accent for starters, how about trying some semolinapuchkos with five kinds of water-tamarind, mint, pineapple, pomegranate and buttermilk ? Add a shot of belvedere vodka if desired. On the other hand for the main course, there is mouth-watering galawati kebab with Foie Gras (Goose liver) stuffed with strawberry and green chilli chutney.

Turn Over

Register Number :

Name of the Candidate :

5 1 5 3

B.B.A. DEGREE EXAMINATION, 2010

(SECOND YEAR)

(PART - II)

(PAPER - II)

210 . ENGLISH COMPOSITION AND BUSINESS CORRESPONDENCE

(Common with B.A. Business Economics)

(Including Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer Section -A and Section - B
in separate answer books.
ALL questions carry equal marks.

Turn Over

SECTION - A (50)

(ENGLISH COMPOSITION)

1. *Write an essay on any TWO of the following in about TWO pages each :* (2×15=30)

   (a) Discuss the role of the peseants of Casterbridge such as Christopher, Solomon, Nance Mockridge and mother Cuxsom.

   (b) How does Michael Henchard's character led to his misery and death in the novel ?

   (c) Consider the trails and tribulations of love, injustice and class discrimination in *Great Expectations* as major themes.

   (d) Examine children's rights in the Victorian Era as portrayed in *Great Expectations.*

SECTION - B (50)

(BUSINESS CORRESPONDENCE)

Answer any THREE questions.
ALL questions carry equal marks.

1. Explain the various physical aspects of a business letter.

2. Draft an application for the post of the secretary of a public limited company.

3. Write a complaint letter to your supplier about the 250 kgs of papers received in a damaged condition.

4. Prepare a report to be sent to the press on the inagural function relating to the Handloom Exhibition in channi.

5. Write a letter from an insurance company refusing a claim.

2. *Write a precis of the following passage reducing it one-third of its length :* (20)

The book shortage of the present time calls for an adventurous library policy. The fewer books there are, the greater the need to give them the widest circulation possible; and if a library creates a growing private demand to be met when books in plenty are again on the market, so mcuh the better. The recent announcement that a children's library has been opened in a West African town may hearld a significant contribution to educational progress. In assisting this development, local committees could well draw on the experience gained elsewhere by the establishment of junior reading centres which have created a new reading public. The building itself is attractive in structure and equipment. The children have really made it their own, although there is always an unobtrusive attendant in the background, and the popularity of the library is such that another centre has already been opened in the

neighbourhood. The choice of suitable books, however, presents difficulties, as the children are naturally interested in their own district and the demand for books on local life and tradition cannot be satisfied because such books are few and there would be borrowers many.

Just as this shortage of suitable books handicaps those who are trying to cater to the young, so the absence of stories dealing with local life and tradition is an even greater handicap. A child in one part of the British Empire may lack such English background as exists for a child in another part, and his difficulties in accepting what he reads must be almost insurmountable. They can be overcome by providing him with children's books in his own language, in which the best of British and of local tradition finds a place. Such books have not yet been written, and it will only be possible to complete the work so well begun if the local committees can discover potential native authors who will undertake to adapt local folklore and legends in such a way that the children of the district can appreciate them.

26. A shop is one of the few places ..... you can hang about a long time.

(Fill in the blank with a relative pronoun.)

27. As soon as the teacher entered the class, the students stood up.

(Use 'no sooner-than.')

28. What a grand sight it was !

(Change into a statement.)

29. Tagore admires the honesty of Londoners.

(Use the adjuctive form of 'honesty.')

Register Number :

Name of the Candidate :

5 1 4 9

B.Com. / B.B.A. / B.M.M. / B.A. / B.B.L. / B.Sc. / B.B.S. DEGREE EXAMINATION, 2010

(FIRST YEAR)

(PART - II - ENGLISH)

102 / 120 / 520. PROSE AND USAGE

(Common with B.Sc. (F.D) / T.D./I.D.) with a maximum of 60 Marks)

(Including Dual Degree Courses)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Annotate FOUR of the following passages, choosing at least TWO from each group: (4 × 5 = 20)

GROUP - A

1. "The conservation and utlization of water is thus fundamental for human welfare."

2. Her picture fame reached from the pages of the Texas Weekly Snapshot to the illustrated Monday supplement of the Novoe Voremga."

3. Jim Corbett considered the deed of Haria as a remarkably courageous act.

4. The inhabitant of earth had finally stumbled upon radio communication.

GROUP - B

5. "What would you say to forty thousand dollars?" said Letferts.

6. I felt annoyed that someone else has caused in on my adventure while I was left with my very ordinary little room.

7. The analogy of the Monastery goes deeper than at first sight appears.

8. Men are my countries women my playthings and I own on God but myself.

II. Attempt any ONE of the following : (1 × 20 = 20)

9. Bring out the humour in the short story "Mrs. Packletide's Tiger."

eyes. ..... water is bright when it reflects ..... sunshine. It seems dark and gloomy when..... sky is overcast.

GROUP - C

Rewrite any FIVE of the following as directed :

21. She has admitted him to the hospital.

(Change the voice.)

22. He is kind .

(Change this into a question)

23. Take this bag.

(Add a question tag.)

24. He is the cleverest boy in the class.

(Use the comparative form of 'cleverest.')

25. "Now, she can't refuse to write the exam, Ravi," said Raju.

(Change into indirect speech)

Turn Over

10. How does Sir C.V.Raman prove that water is the elixir of life ?

11. Discuss Dicken's impressions of the journey to Niagara.

III. Attempt any ONE of the following : (1 × 20 = 20)

12. Why does Huxley say that, "the cult of beauty is destined to be ineffectual"?

13. What are Barker's suggestions for a happy married life ?

14. How did David Daiches view the American way of life and their civilization ?

IV. Attempt any ONE of the following : (1 × 20 = 20)

15. What did Orwell learn about the reading habits and tastes of men and women ?

16. 'Familiarity breeds liking ! How does Lynd substantiate this idea.

17. Describe how Haria rescued Narwa from the clutches of the tiger.

Turn Over

18. What are the main defects of our civilizations as pointed out by C.E.M.Joad?

V. Attempt any TWO of the following : (2 × 10 = 20)

19. *Fill in the blanks with suitable prepositions :*

Dickens and his party started ..... their journey ..... the great falls..... a coach drawn ..... four horses. During their journey, they were all flung..... the bottom ..... coach when there was a jolt. Their heads crashed ..... the roof ..... the coach. The horses suffered much to draw the coach ..... a mire. They seemed to say 'free us ..... this trouble.'

GROUP - B

20. *Fill in the blanks with suitable articles* :

Water in ..... pond or stream in ..... countryside adds beauty to ..... countryside..... rainfed tanks in South India is ..... beautiful sight. Water in ..... landscape may be compared to ..... human

12. (a) What is the role of the political respondent ?

(OR)

(b) What are the ethics to be followed in reporting ?

13. (a) Explain the kinds of headlines.

(OR)

(b) How is layout important in magazine editing ?

Register Number :

Name of the Candidate :

5 1 0 4

B.A. DEGREE EXAMINATION, 2010

(ENGLISH AND COMMUNICATION)

(THIRD YEAR)

(PART - III)

(PAPER - X)

750. PRINT MEDIA - REPORTING AND EDITING

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5 × 8 = 40)

Answer any FIVE of the following questions. ALL questions carry equal marks.

1. (a) What are the various sources of news?

(b) What is lead story in a newspaper ?

2. (a) How is crime reported in newspapers?

(b) What are news values ?

Turn Over

3. (a) What are the different kinds of interviews?

   (b) What are the techniques adopted by a reporter in an interview ?

4. (a) What are the purposes of interpretative reporting ?

   (b) What is a critical review ?

5. (a) What is legislative reporting ?

   (b) What is scoop news ?

6. (a) When are exclusive reports published ?

   (b) What is the place for sports in newspaper reporting ?

7. (a) What are the tools of editing ?

   (b) What are proof reading symbols ?

8. (a) What Page make-up?

   (b) What are the principles of photo editing ?

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

9. (a) What is the social responsibility of the press?

   (OR)

   (b) Explain the co-ordinating functions of the editor.

10. (a) What are the skills required for an interviewer ?

   (OR)

   (b) What are the purposes of an interview ?

11. (a) Define feature writing. What are the characteristics and scope of different kinds of features ?

   (OR)

   (b) Do you agree with the view that the reviewer has an interpretative role ?

13. (a) Why do most organizations have a PRO?

(OR)

(b) What is corporate communication ?

Register Number :

Name of the Candidate :

5 1 0 3

B.A. DEGREE EXAMINATION, 2010

(ENGLISH AND COMMUNICATION)

(THIRD YEAR)

(PART - III)

(PAPER - IX)

740. MASS COMMUNICATION MEDIA

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5 × 8 = 40)

Answer any FIVE questions.
ALL questions carry equal marks.

1. (a) The role of magazines in mass media.

(b) Reporting in a newspaper.

2. (a) Describe the operation of a radio station.

(b) How is a radio program recorded ?

Turn Over

3. (a) The effect of cinema on the youth.

   (b) The use of technology in cinema production.

4. (a) List the different types of TV programmes.

   (b) The accountability of private TV channels.

5. (a) The origin of internet.

   (b) The popularity of internet among youngsters.

6. (a) What are different media for advertising ?

   (b) What are advertising agencies ?

7. (a) Explain public relations.

   (b) The role of public relations in the industry.

8. (a) What are the qualities of an editor ?

   (b) What is a commercial film ?

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

9. (a) Media as a pillar of democracy.

   (OR)

   (b) How do newspapers help in mobilising public opinion ?

10. (a) The competition among various FM radio channels.

   (OR)

   (b) The popularity of radio in the rural areas.

11. (a) The problems of production and exhibition of cinema.

   (OR)

   (b) The role of TV in promoting education.

12. (a) Enumerate the uses of the internet.

   (OR)

   (b) Explain the tools of PR.

13. (a) Bring out the difference between a personal and a business letter.

(OR)

(b) Write an annual report of the Nature Club in your village, as its secretary.

Register Number :

Name of the Candidate :

5 1 0 2

B.A. DEGREE EXAMINATION, 2010

(ENGLISH AND COMMUNICATION)

(THIRD YEAR)

(PART - III)

(PAPER - VIII)

730. COMMUNICATION SKILLS

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5 × 8 = 40)

Answer any FIVE questions.
ALL questions carry equal marks.

1. (a) What is 'cyber'?

   (b) What is communication ?

2. (a) Explain 'mobility multipliers.'

   (b) What are the tools of mass communication ?

3. (a) How do you make a call over the telephone ?

   (b) Write a note on the posture of a person attending an interview.

4. (a) Explain 'asynchronicity.'

   (b) What is meant by label 'noise'?

5. (a) What is 'mass-line' communication ?

   (b) Explain some of the 'new media.'

6. (a) What does non-verbal communication refer to ?

   (b) Bring out the uses of audio-visual aids.

7. (a) You wish to sell your Maruti-800, 1998 model in good condition. Draft a suitable advertisement.

   (b) Write a note on E-mails.

8. (a) What is the purpose of writing a report?

   (b) How do you prepare for a talk at a public function ?

SECTION - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

9. (a) Describe the types of communication.

(OR)

   (b) Explain the need for communication.

10. (a) What are the barriers to communication ?

(OR)

   (b) What is interactive communication ?

11. (a) Give the tips on talking over the telephone or different situations.

(OR)

   (b) Write an essay on group discussion and turn talking.

12. (a) Bring out the importance of visual communication.

(OR)

   (b) How do you select a book to read ?

Turn Over

Register Number :

Name of the Candidate :

5 1 0 1

B.A. DEGREE EXAMINATION, 2010

(ENGLISH AND COMMUNICATION)

(SECOND YEAR)

(PART - III)

(PAPER - V)

660. INTRODUCTION TO COMMUNICATION STUDIES

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5 × 4 = 20)

Answer any FIVE questions.
ALL questions carry equal marks.

1. Explain redundancy and entropy.

2. Describe the use of code in communication.

3. Explain the categories of signs.

4. What is semiotics ?

Turn Over

5. Differentiate analog from digital codes.

6. Outline the importance of non-verbal communication.

7. Elucidate visual metaphor with an example.

8. Give the basic difference between nature and culture.

9. How is content analysed ?

10. What are resistances ?

SECTION - B (4 ×20= 80)

Answer any FOUR questions.
ALL questions carry equal marks.

11. Explain Newcomb's model.

12. What is the importance of channel in communication ?

13. How do signs and meanings help in communication ?

14. Write an essay on codes and their signification.

15. Differentiate denotation from connotation with relevant examples.

16. How is structuralist theory applied ?

17. Write an essay on the analysis of ideoligies.

18. Explain the following with examples :

    (a) Semantic differential.

    (b) Convention.

    (c) Arbitary codes.

    (d) Realistic metonym.

Register Number :

Name of the Candidate :

5 1 0 0

B.A.DEGREE EXAMINATION, 2010

(ENGLISH AND COMMUNICATION)

(FIRST YEAR)

(PART - III)

(PAPER - I)

530. HISTORY OF ENGLISH LITERATURE

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE of the following, without omitting any group :

(5 ×20=100)

GROUP - A

1. Write an essay on the ballads in the Fifteenth Century.

2. Evaluate the contribution of Spenser to English Poetry.

Turn Over

3. Evaluate the contribution of the University Wits to English Drama.

4. Write an essay on the Elizabethan theatre and audience.

5. Examine Shakespeare's contribution to English Drama.

GROUP - B

6. Analyse the salient features of metaphysical poetry.

7. Discuss the characteristics of Milton's poetry.

8. Write an essay on satirists of the Augustan Age.

9. Discuss the contribution of the precursors of the Romantic Period to English Poetry.

10. Write an essay on the Eighteenth Century drama.

GROUP - C

11. Discuss the major novelists in the Eighteenth Century.

12. Write an essay on the Romantic Movement.

13. Discuss the contributions of the Victorian novelists.

14. Write an essay on the Victorian Poets.

15. Discuss Matthew Arnold's contribution to English criticism.

GROUP - D

16. Examine the characteristics of Pre-Raphelite poetry.

17. Write an essay on Modernist poets.

18. Examine the features of poetic drama.

19. Give an account of the contribution of T.S.Eliot to English literature.

20. Trace the growth of science fictions in the Twentieth Century.

IV. Answer any TWO of the following questions: (2 ×20 = 40)

1. (a) Bring out the significance of the opening scene in 'Othello."

(OR)

(b) Attempt a character sketch of Desdemona.

2. (a) Justify the title of 'The Rivals.'

(OR)

(b) Write an essay of Sheridan's characterization.

3. (a) Discuss 'Arms and the Man' as an entertaining play.

(OR)

(b) Discuss Bluntschli as a realist and a romantic.

Register Number :

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5 0 5 6

B.A. DEGREE EXAMINATION, 2010

(DOUBLE DEGREE)

(ENGLISH)

(THIRD YEAR)

(PART - III)

(PAPER - V)

711. DRAMA

(New Regulations)

(For the Candidates joined in 2008-09 and after)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Annotate FIVE of the following passages, choosing at least TWO from each section: (5 × 4 = 20)

SECTIION - A

1. 'My father is decease'd. Come Gaveston,
   And share the kingdom with thy dearest
   friend.'

2. Something still buzzeth in mine ears
   And tell me, if I sleep I never wake.

3. But what are Kings, when regiment is gone,
   But perfect shadows in a sunshine day ?

4. So well hast thou deserv'd sweet Mortimer,
   As Isabel could live with thee forever.

SECTION - B

5. A thing divine, for nothing natural
   I ever saw so noble

6. The fringed curtains of thine eye advance
   And say what thou seest yond.

7. What a thrice double ass
   Was I, to take this drunkard for a god
   And worship this dull fool ?

8. No occupation : all men idle : all :
   And women too, but innocent and pure :

II. Answer any ONE of the following questions: (1 × 20 = 20)

1. Consider Eward - II as a historical tragedy.
2. Attempt a character sketch of Gaveston.
3. Compare and contrast Mortimer and Edmund.

III. Answer any ONE of the following questions: (1 × 20 = 20)

1. Narrate the love story of Ferdinand and Miranda.
2. Comment on the role of the supernatural elements in 'The Tempest.'
3. Consider 'The Tempest" as a dramatic romance.

Turn Over

19. Bernad Shaw's contribution to the growth and development of English Drama.

20. Write short notes on :

    (a) Keats, as a poet.

    (b) Tennyson, as a poet.

    (c) Thomas Gray, as a poet.

GROUP - D

21. Substantiate James Joyce as a writer of psychological fiction.

22. Estimate the contribution of G.M.Hopkins to English poetry.

23. Assess the fictional merits of Joseph Conrad.

24. Discuss the development of novel in the early 20^{th} Century.

25. Write short notes on :

    (a) H.G. Wells.

    (b) J.M. Synge.

    (c) W.B. Yeats.

Register Number :

Name of the Candidate :

5 0 5 5

B.A.DEGREE EXAMINATION, 2010

(DOUBLE DEGREE)

(ENGLISH)

(PART - III)

(PAPER - II)

550. LITERARY FORMS AND HISTORY OF ENGLISH LITERATURE

(Applicable to Candidates joined in 2008-09 and after)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE of the following, without omitting any group :

(5 ×20=100)

GROUP - A

1. Write on the origin, characteristics and development of the sonnet.

Turn Over

2. Describe the various elements of poetry.

3. What are the natural divisions of a dramatic plot ?

4. Write an essay on the growth and development of the short story.

5. Write short notes on :

   (a) Objective poetry.

   (b) Function of criticism.

   (c) Elegy.

GROUP - B

6. What are the elements of fiction ?

7. Write an essay on the Epic.

8. Attempt a study of the short story as a literary form.

9. Essay as a literary form.

10. Write short notes on :

    (a) Plot in a drama.

    (b) Ballad.

    (c) Lyric.

GROUP - C

11. The poetic achievement of Chaucer.

12. Assess the poetical writings of Edmund Spenser.

13. Write an essay about "The University Wits."

14. Discuss the achievement of Ben Jonson as a dramatist.

15. Write short note on :

    (a) Tom Jones.

    (b) Wyatt

    and (iii) The Pilgrim's Progress.

GROUP - D

16. What aspects of romanticism are found in the poems of Shelley ?

17. Consider Hazilitt as an essayist.

18. Significant features in the writings of Thomas Hardy.

Register Number :

Name of the Candidate :

5 0 5 4

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(THIRD YEAR)

(PART - III)

(PAPER - X)

750. INDIAN WRITING IN ENGLISH

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Annotate FIVE of the following passages, choosing at least TWO from each group: (5 × 4 = 20)

GROUP - A

1. The peasants come like swarms of flies and buzzed the name of God a hundred times to paralyse the evil one.

Turn Over

II. Answer any FOUR of the following not omiting any sections . (4 × 20 = 80)

SECTION - A

1. What are the poetic qualities found in the poems of Mission Ezekiel ?

2. Discuss the feminine sensibility in the prescribed poems of Kamala Das.

3. Consider Sarojini Naidu an Indian Poet.

SECTION - B

4. Consider 'Our Heritage'a representative piece of Dr. Radhakrishnan's prose.

5. Bring out Dr. Radhakrishnan's views on Bhagavat Gita and Hinduism.

6. Comment on Nirad Chaudhury as a satirist with reference to "To Live or Not to Live."

8. My child, the king loves you.

   He is coming himself. Beg for a gift from him.

GROUP - C

9. Science has strengthened the body of the world and we have to give it a soul and conscience.

10. A fallen and prostrate India connot be of any help to herself or to the world. A freedom and enlightened India can be of help to herself and to the world.

11. He patiently listened to other people's views and never lost his temper. The world needs that kind of patience today.

12. All these doctrines and dogmas, rites and ceremonies are instruments which help the human individual to see his God face to face.

2. The wetstones glistening like sleepy

   Crocodiles, the dry ones

   Shaven water- buffaloes lounging in the sun

3. Being the burning type

   he burned properly

   at the cremation.

4. A man to love is easy, but living without him afterwards has to be faced.

GROUP - B

5. How curious ! some say time has not yet come, and some say time has gone by! But surely your time will come the moment you strike the gong.

6. Your face is pale and here are dark rings round your eyes. Your veins stick out from your poor thin hands.

7. Not a bit : it has been no loss to me, at all; you have taught me how to be happy selling curds.

SECTION - C

7. How does Aurobindo highlight the pangs of slavery and especially the slavery of India at the hands of the Imperialists ?

8. Write an essay on the major themes as revealed in the play *The Post Office.*

9. State the resons for the popularity of the play Asif Currimbhoy's *The Dumb Dancer.*

SECTION - D

10. Raju the guide never did anything. Things always happen to him. - Discuss.

11. How does Anand condemn the age old injustice and exploitation of the untouchables in his novel ?

12. *Train to Pakistan* is not just a love story. It is the story of gravesome atrocities committed in India after the partition. - Discuss.

Register Number :

Name of the Candidate :

5 0 5 3

B.A. DEGREE EXAMINATION, 2010

(ENGLISH)

(THIRD YEAR)

(PART - III)

(PAPER - IX)

740. AMERICAN LITERATURE

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

I. Annotate FIVE of the following choosing at least TWO from each group: (5 × 4 = 20)

GROUP - A

1. But I have promises to keep

   And miles to go before I sleep.

Turn Over

8. Character is higher than intellect. Thinking is a function living in the functionary.

9. I made the bird alight on the bust of Pallas. Also, for the effect of contrast between the marble and the plumage.

10. The Scholar is that man who must take up into himself all the ability of the time, all the contributions of the past, all the hopes of the future.

II. Answer any ONE of the following : (20)

11. (a) How does Poe estimate the value of melancholy in poetry ?

(OR)

(b) How does Frost document his philosophy of life in his poem "West Running Brooke"?

12. (a) How does the poet appreciate the theme of love in "Annabel Lee"?

(OR)

(b) How does Emerson depict the power of providence in his poem "Brahma"?

13. (a) What, according to Emerson, are the duties of the American Scholar?

(OR)

(b) Evaluate Poe's views on the composition of poetry.

III. Attempt any ONE of the following : (20)

14. (a) Critically evaluate Whiteman's "Passage to India."

(OR)

(b) Identify the American spirit impressed in Sandburg's poems.

15. (a) Elaborate on Emerson's views on the influence of nature on the American Scholar.

(OR)

2. Then, took the other, as just as fair
   And having perhaps the better claim
   Because it was grassy and wanted.

3. When butterflies renounce their drams
   I shall but drink thee more.

4. Inebriate of air am I,
   And debauchee of dew,
   Reeling through endless summer days
   From inns of molten blue.

5. It flows between us, over us and with us
   And it is time, strength, tone, light, life and core.

GROUP - B

6. Meek youngmen grow up in libraries, believing it their duty to accept the views which Cicero, which Locke, which Bacon have given.

7. Beauty of whatever king, is its supreme development, invariably excites the sensitive soul to tears.

(b) What are the major tenets of "The Critic and American Life"?

16. (a) Discuss Henry Jame's views on the nature of fiction.

(OR)

(b) Comment on Poe's views on the tone of the poems.

II. Answer any TWO of the following : (2 ×20 = 40)

17. Consider "Young Goodman Brown" as a tragedy of a man's loss of faith.

18. Consider "Tom Sawyer" as a novel of adventure.

19. Explain the theme of illusion Vs reality in the play "The Glass Menagerie."

20. Comment on the ending of the play "The Emperor Jones."

Register Number :

Name of the Candidate :

5 3 2 1

B.Sc. DEGREE EXAMINATION, 2010

(VISUAL COMMUNICATION)

(SECOND YEAR)

(PART - III)

(PAPER - IX)

240.DESKTOP PUBLISHING

(Revised Regulations)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8×5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Write about any five features of desktop publishing.

Turn Over

2. Describe font faces.

3. Write a note on OPI and DCS files.

4. Describe colour dialog box.

5. Describe Page Maker tool palette.

6. What are the steps involved in formatting a paragraph of page maker? Give a suitable example.

7. Write a note on fitting text to path in Corel Draw.

8. Explain how to draw glassy buttons in Corel Draw.

9. How do you design business cards and letter heads?

10. How do you design newspaper ads ?

PART - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Explain the usage of headers and footers, page borders, alignment, graphics in desktop publishing.

12. Explain the following in Quark Xpress :

    (a) Working in master page. (10)

    (b) Working in shape. (10)

13. Describe the steps involved in pagemaker book publishing.

14. Explain the following in Corel Draw :

    (a) Colour and tone effects. (10)

    (b) Importing graphics. (10)

15. Explain the following with suitable example :

    (a) Design name tags. (5)

    (b) Design program events. (5)

    (c) Design posters. (5)

    (d) Design fact sheets. (5)

Register Number :

Name of the Candidate :

5 3 2 0

B.Sc. DEGREE EXAMINATION, 2010

(VISUAL COMMUNICATION)

(SECOND YEAR)

(PART - III)

(PAPER - VIII)

230 / 280. MULTIMEDIA FOR VISUAL COMMUNICATION - I

(Revised Regulations)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8×5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Describe the hardware components of multimedia.

Turn Over

2. What is key frame animation ?

3. Write a short note on photoshop other tool box control.

4. What are photographer's tools ?

5. Describe sprite.

6. What is cropping ?

7. What are foot step animation of Biped ?

8. What is the use of crowd ?

9. Describe sound forge XP tool bars.

10. How will you reduce the voice in music ?

PART - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) Define animation. Explain.

    (b) Explain the features of multimedia software.

12. (a) Explain Power tools of Photoshop.

    (b) Describe the procedure for creating and manipulating static images for use on the web in photoshop.

13. (a) Define cast. Explain casts and members.

    (b) Discuss the features of macromedia director.

14. (a) Explain 3D studio MAX concepts.

    (b) Write short notes on the following :

        (i) Character animation.

        (ii) Motion capture.

15. (a) Explain the procedure for editing stereo files with sound forge XP.

    (b) Explain in detail effects menu of sound forge XP.

Register Number :

Name of the Candidate :

5 3 1 9

B.Sc. DEGREE EXAMINATION, 2010

(VISUAL COMMUNICATION)

(SECOND YEAR)

(PART - III)

(PAPER - VIII)

220 . PHOTOGRAPHY AND VIDEO EDITING

(Revised Regulations)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

PART - A (8×5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. Explain range finder.

2. What is aperature ?

Turn Over

3. Define telephoto lens.

4. Describe filter sizes and mountings.

5. Explain the physical arrangements of an enlarger.

6. What is archival digital printing ?

7. What is style ?

8. What is parallel editing ?

9. Explain video camera montage.

10. What is dolby stereo ?

PART - B (3 ×20 = 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. (a) Explain digital SLR and describe its advantages and disadvantages.

    (b) Define depth of field.

12. (a) Explain in detail wide angle lens.

    (b) Explain the following :

        (i) Dark room.

        (ii) Reciprocity.

13. (a) Explain contrast and malfe.

    (b) Explain filter factor.

14. (a) Explain 180 degree and 30 degree rule with an example.

    (b) Write short notes on :

        (i) Analytical editing.

        (ii) Parallel editing.

15. (a) Define narration.

    (b) Explain in detail pre-production.

Register Number :

Name of the Candidate :

5 3 1 8

B.Sc. DEGREE EXAMINATION, 2010

(VISUAL COMMUNICATION)

(FIRST YEAR)

(PART - III)

(PAPER - IV)

160 . INTRODUCTION TO DRAWING CONCEPTS

(Revised Regulations)

December] [Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8×5 = 40)

Answer any EIGHT questions.
ALL questions carry equal marks.

1. State the essential steps to improve pencil drawing.

2. Explain proportions of drawing.

Turn Over

3. Explain accent line drawing.

4. Discuss cross hatch.

5. Briefly explain the steps involved in drawing the human and its parts.

6. Write short notes on deserts.

7. Discuss historical painting.

8. Explain traffic road in detail.

9. Discuss sculpture drawing.

10. Write a note on mountain.

SECTION - B (3 × 20= 60)

Answer any THREE questions.
ALL questions carry equal marks.

11. Briefly discuss drawing equipment in detail.

12. Write short notes on :

    (a) Flat line drawing.

    (b) Smudge.

13. Explain in detail the importance of shadow and shapes of drawing.

14. Explain the procedure for drawing village and traffic road.

15. Write short notes on :

    (a) Monuments.

    (b) Temple.