(2003BIT15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Biotechnology

MACROMOLECULES, ENZYMOLOGY AND BIOENERGETICS

(Regulation 2015-16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Chargaff's rules.
2. Michaelis – Menten equation.
3. Lock and Key model.
4. Entropy and enthalpy.
5. Heteropolysaccharides.
6. Structure of aminoacids.
7. Saponification value.
8. Coenzymes.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Write in detail about the structure of DNA.

Or

10. Explain different types of RAN with its structure and composition.

UNIT II

11. Discuss the structure of proteins.

Or

12. Write about the classification of amino acids.

UNIT III

13. Explain in detail about the structure of monosaccharides with examples.

Or

14. Write a short note on :

(a) Cytochromes.

(b) Heme.

UNIT IV

15. Describe the inhibition of enzyme activity.

Or

16. Give an account of classification of enzymes.

UNIT V

17. Write in detail about glycolysis.

Or

18. Explain the structure of mitochondria.

———————

UNIT IV

15. Give an account on simple tissues.

సరళ కణజాలాల గూర్చి వివరించండి.

Or

16. Give an account of the theories of Root apex organization.

వేరు అగ్ర నిర్మాణాన్ని వివరించే సిద్ధాంతాలను గూర్చి వ్రాయుము.

UNIT V

17. Describe the anomalous secondary growth in Bignonia stem.

బిగ్నోనియా కాండములో జరిగే అసంగత ద్వితీయ వృద్ధిని వర్ణించండి.

Or

18. Give an account of the following Timber yielding plants.

(a) Teak

టేకు.

(b) Rosewood

రోజ్‌వుడ్.

(2003BOT15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Botany

DIVERSITY OF ARCHAEGONIATAE AND PLANT ANATOMY

(Regulation 2015-2016)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Funaria Male shoot

ఫ్యునేరియా పురుష శాఖ.

2. Lycopodium strobilus

లైకోపోడియం శంకువు.

3. Marsilea Petiole

మార్సీలియా పత్రవృంతము.

4. Ovuliferous scale

అండధారి శల్కం.

5. T.S. of Gnetum leaf

నీటం పత్రం అడ్డుకోత.

6. Phloem

పోషక కణజాలం.

7. Stone cells

శిలాకణాలు.

8. Uses of wood

కలప ఉపయోగాలు.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Describe the external and internal structure of the thallus of Marchantia.

మార్కాంషియా థాలస్ యొక్క బాహ్య నిర్మాణము మరియు అంతర్నిర్మాణము వర్ణించండి.

Or

10. Give an account of evolution of sporophyte in Bryophyta.

బ్రయోఫైటాలో జరిగే సిద్ధీబీజద పరిణామాన్ని వివరించండి.

UNIT II

11. Describe the T.S. of Marsilea Rhizome.

మార్సీలియా కొమ్ము అడ్డుకోతను వర్ణించండి.

Or

12. Describe the stelar evolution in pteridophyta.

టెరిడోఫైటాలోని ప్రసరణ స్థంభ పరిణామాన్ని వర్ణించండి.

UNIT III

13. Explain the primary and secondary structures of stem in pinus.

పైనస్‌లోని కాండం యొక్క ప్రాథమిక మరియు ద్వితీయ నిర్మాణాన్ని వివరించండి.

Or

14. Describe the cones of Gnetum.

నీటం శంఖులను వర్ణించుము.

16. Write an essay on bird migration.

పక్షుల వలస పై ఒక వ్యాసమును వ్రాయుము?

UNIT V

17. Explain the general character of mammals.

క్షీరదముల సామన్య లక్షణాలను పేర్కొనండి.

Or

18. Give an account on dentition in mammals.

క్షీరదాల దంత విన్యాసమును వివరింపుము.

(2003ZOO15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Zoology

ANIMAL DIVERSITY – CHORDATES

(Regulation 2015-2016)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions :

1. General characters of urochordata.

యూరోకార్డేటా సామాన్య లక్షణములు.

2. DIPNOI.

డిప్నాయ్.

3. Diagram brain of frog

కప్పమెదడు–పటము.

4. Rhyncocephalia

రింకోసెఫాలియా.

5. Quill feather structure.

క్విల్ ఈక్ నిర్మాణము.

6. Ratitae

రాటిటే.

7. Prototheria

ప్రోటోధీరియా.

8. Urodela.

యూరోడీలా.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

(Draw diagrams wherever necessary)

UNIT I

9. Describe the retrogressive metamorphosis in Herdmania?

హెర్డ్మనియా నందు తిరోగామి రూపవిక్రియతను వివరింపుము.

Or

10. Explain the general characters of chordata?

కార్టేటా వర్గపు సధారణ లక్షణాలను వ్రాయండి?

UNIT II

11. Difference between petromyzon and myxine.

పెట్రోమైజాన్ మరియు మిక్సిన్ మధ్యగల భేదములను వివరింపుము.

Or

12. Describe the migration in fishes.

చేపలలో వలసను వివరింపుము.

UNIT III

13. Describe the structure of heart of Rana hexadactyla.

రానాహెక్సాడాక్టైలా గుండె నిర్మాణమును వివరింపుము.

Or

14. Explain the general characters of reptiles.

సరీసృపాల విభాగము సాధారణ లక్షణాలను వివరించుము?

UNIT IV

15. Describe the Respiratory system of Aves (pegion).

పావురము శ్వాస వ్యవస్థను విశదీకరించుము.

Or

UNIT IV

15. Explain the following :
ఈ క్రింది వాటిని వివరించండి :

(a) Tyndal effect.
టిండాల్ ఫలితం.

(b) Brownian movement.
బ్రేనియన్ చలనం.

Or

16. Write a brief note on molecular orbital theory. Explain M.O. diagram of CO.
అణు ఆర్బిటాళ్ సిద్ధాంతములోని ముఖ్య ప్రతిపాదనలు వ్రాయండి. 'CO' యొక్క అణు ఆర్బిటాళ్ చిత్రపటం గీయండి.

UNIT V

17. What is optical isomerism? Explain optical isomerism of glyceraldehyde and lactic acid.
ధృవణ సాదృశ్యం అనగానేమి? గ్లిసరాల్డిహైడ్, లాక్టిక్ ఆమ్లం యొక్క ధృవణ సాదృశ్యాన్ని వివరించండి.

Or

18. Explain about D, L configurations. Explain D, L with suitable examples.
D, L విన్యాసాత్మకాలను వివరించండి. D, L విన్యాసాత్మకాలను తగిన ఉదాహరణలతో వివరించండి.

(2003CHE15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Chemistry

PHYSICAL AND GENERAL CHEMISTRY

(Regulation 2015-2016)

Time : Three hours Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define the terms lattice point and unit cell with suitable diagrams.
లాటిస్ బిందువు, యూనిట్‌సెల్ అనే పదాలను తగిన పటంతో వివరించండి.

2. State and explain Joule Thomson effect.
జౌల్-థామ్సన్ ఫలితాన్ని నిర్వచించి వివరించండి.

3. What are the structural differences between solids, liquids and gases?
ఘనాలు, ద్రవాలు మరియు వాయువుల మధ్య నిర్మాణాత్మక భేదాలను వ్రాయండి.

4. Write a brief note on fractional distillation.
అంశిక స్వేదనం గూర్చి క్లుప్తంగా వ్రాయుము.

5. Explain the structure of Nickel tetra carbonyl.
నికెల్ టెట్రా కార్బోనైల్ యొక్క నిర్మాణాన్ని వివరించండి.

6. Write any three differences between Enantiomers and Diasteromers.
ఎనెన్షియోమర్‌లు, డయాస్టిరియోమర్‌ల మధ్య ఏవేని మూడు భేదాలను తెల్పండి.

7. Explain about Nernst distribution law.
నెర్నెస్ట్ వితరణ నియమాన్ని వివరించండి.

8. Explain the relationship between critical constants and Vander Waal's constants.
సందిగ్ధ స్థిరాంకాలు మరియు వాండర్‌వాల్ స్థిరాంకాల మధ్య గల సంబంధాన్ని వివరించండి.

SECTION B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Write an essay on defects in crystals.
స్ఫటిక దోషాలు గూర్చి కూలకషంగా వివరించండి.

Or

10. Discuss about symmetry law in crystals.
స్ఫటికాలలో ఉన్న సౌష్ఠవత నియమాలు గూర్చి వివరించండి.

UNIT II

11. What is critical state? Derive the Vanderwal's gas equation for all temperatures and pressures.
సందిగ్ధ స్థితి అనగానేమి? అన్ని ఉష్ణోగ్రత పీడనాలను సమీకరణంను వాండర్‌వాల్స్ ద్వారా రాబట్టండి.

Or

12. Write about classification of liquid crystals. Write application of liquid crystals as LCD devices.
ద్రవ స్ఫటికాల వర్గీకరణను గూర్చి వివరించండి. ద్రవ స్ఫటికాలు LCD పరికరాలలో ఎలా అనువర్తింప చేస్తారో తెల్పండి.

UNIT III

13. State and explain Raoults law and Henry's law.
హెన్రీ నియమం మరియు రౌల్ట్స్ నియమం గూర్చి వివరించండి.

Or

14. Write about partially miscible liquids like phenol-water and Nicotine-water systems.
పాక్షిక మిశ్రణీయ ద్రావణాలైన ఫినాల్-నీరు, నికోటిన్-నీరు వ్యవస్థలను గూర్చి వివరించండి.

(2*01ICT215)

B.Sc. (Computer Science/Computer Maintenance/Multimedia)/ B.C.A. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part III — Information And Communication Technology

FUNDAMENTALS OF INFORMATION SYSTEMS

(Regulation 2015-2016)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Differentiate Data and Information.
2. What is a Desktop Computer?
3. List different types of secondary memory devices.
4. What is LAN?
5. What is Word Processing?
6. What is Internet?
7. What is e-commerce?
8. What is digital signature?

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Explain internal representation of different types in data in computers.

Or

10. Explain different storage formats of pictures.

UNIT II

11. What is memory? Explain different types of primary memory.

Or

12. What is video capture? Explain MPEG compression standard.

UNIT III

13. Distinguish between Internet and Intranet.

Or

14. Explain different components required establish a network.

UNIT IV

15. What is a Browser? Explain how you browse information using a browser.

Or

16. What is e-mail? Write the steps to create an e-mail account.

UNIT V

17. State the merits and demerits of e-commerce.

Or

18. Explain online payment system.

———————

(2003BIC15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Bio Chemistry

NUCLEIC ACIDS AND BIOCHEMICAL TECHNIQUES

(Regular 2015 – 16)

Time : Three hours Maximum : 75 marks

PART A – (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Structure of Heme.
2. Tm-values and their significance.
3. Beer – Lambert Law.
4. Treatment of an enzyme purification.
5. Use of Inhibitors and antimetabolities.
6. Nucleotides.
7. Ion exchange chromatography.
8. Principle of fluorimentry.

PART B – (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Explain the Watson – Crick model of DNA with labelled diagram.

Or

10. Write in detail about the denaturation of Nucleic acids.

UNIT II

11. Explain the properties and identification of porphyrins.

Or

12. Write a short note on :

(a) Structure of porphyrins

(b) Structure of chlorophylls.

UNIT III

13. Give an account of the principles and applications of ultra centrifugation.

Or

14. Write a note on agarose gel electrophoresis.

UNIT IV

15. Explain about the biochemical applications of spectrophotometer.

Or

16. What are Radio isotopes? Write the uses of Radio active isotopes in biology.

UNIT V

17. Explain invitro studies of metabolic studies with techniques.

Or

18. Discuss Homogenates and purified enzyme systems.

———————

(2003CMT15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II – Computer Maintenance

ELECTRONIC DEVICES AND LINEAR INTEGRATED CIRCUITS

(Regulation 2015–16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain forward bias and reverse bias of a P – N junction diode.

2. Explain about working of NPN transistor.

3. Explain AC load line.

4. Define Amplifier and feed back.

5. Define the important OP – Amp parameters.

6. Define AM and FM.

7. Draw the circuit diagram of crystal oscillator.

8. Draw the circuit diagram of bridge rectifier.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Describe the construction and working of a varicap diode. Draw its V – I characteristics and explain.

Or

10. Explain the construction, working and one application of tunnel diode.

UNIT II

11. Explain experimental arrangement to study input and output characteristics of BJT CE configuration.

Or

12. Describe the construction and operation of UJT.

UNIT III

13. Give the circuit of RC coupled amplifier and explain its frequency response curve.

Or

14. Draw the circuit diagrams of inverting and non inverting amplifiers and explain their operations. Derive expressions for their voltage gain.

UNIT IV

15. Draw the circuit diagram of an AM modulator and explain its working.

Or

16. Explain the working of tuned phase shift oscillator with the help of circuit diagram.

UNIT V

17. What is rectifier? Draw the circuit of full curve rectifier and derive expression for efficiency and ripple factor.

Or

18. Draw the block diagram of regulated power supply. Explain its each block.

———————

(2003ELE15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Electronics

ELECTRONIC DEVICES AND CIRCUITS

(Regulation 2015-2016)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Show that Zener diode can work at a voltage regulator.

2. Explain about working of NPN transistor.

3. Define FET parameters.

4. State two differences between JFEF and MOSFET.

5. Write a short note on LED.

6. For a transistor circuit $\alpha = 0.99$, $I_{CO} = 5\,\mu A$ and $I_E = 5\ mA$. Calculate I_C, I_B, β and I_{CEO}.

7. A given silicon UJT has 20 volt between the bases. If the intrinsic stand off ratio is 0.6, find the value of :

   (a) Stand off voltage

   (b) Peak-point voltage.

8. Explain the working of bridge rectifier with a circuit.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Draw and explain the V-I characteristics of Zener diode.

Or

10. Explain the construction, working and one application of Tunnel diode.

UNIT II

11. Explain experimental arrangement to study input and output characteristics of BJT CE configuration.

Or

12. Define h-parameters. Describe how they are determined from the characteristics.

UNIT III

13. Discuss the output and transfer characteristics of a JFET.

Or

14. What is meant by enhancement mode. and deplection mode of operation of a MOSFET? Give the symbols of MOSFETS.

UNIT IV

15. Explain the construction and operation of a photovoltaic cell.

Or

16. Explain the characteristics of photo transistor. Mention its application.

UNIT V

17. Draw the circuit of half-wave rectifier and explain its operation. Discuss its efficiency and ripple factor.

Or

18. Explain the principle and working of SMPS with the help of block diagram.

———————

(2003MIC15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Microbiology

MICROBIAL BIOCHEMISTRY AND METABOLISM

(Regulation 2015-16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Electron transport system.
2. ED pathway.
3. Continuous growth.
4. Growth media.
5. Lock and key model.
6. Structure of purines.
7. Applications of centrifugation.
8. Thin layer chromatography.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Explain the structure of DNA with a labelled diagram.

Or

10. Explain the general characteristics of proteins.

UNIT II

11. Discuss about the principles and applications of colorimetry.

Or

12. Write a note on different techniques of spectrophotometry.

UNIT III

13. Write in detail about properties and classification of enzymes.

Or

14. Explain different factors affecting catalytic activity.

UNIT IV

15. Give a note on uptake of nutrients by cell in detail.

Or

16. Explain different methods of measuring microbial growth.

UNIT V

17. Give an account on lactic acid fermentation.

Or

18. Write briefly the mechanism of bacterial photosynthesis.

———————

(2003PHY15)

B.Sc. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Physics

WAVES AND OSCILLATIONS

(Regulation 2015-2016)

Time : Three hours | Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define simple harmonic motion and explain the physical characteristics of simple harmonic motion.

   సరళహరాత్మక చలనాన్ని నిర్వచించండి మరియు సరళహరాత్మక చలనం యొక్క భౌతిక లక్షణాలను వివరించండి.

2. What is resonance? Explain amplitude resonance.

   అనునాదము అనగా నేమి? కంపన పరిమితి అనునాదమును వివరింపుము.

3. Write a note on transverse impedence.

   తిర్యక్ అవరోధము గురించి లఘుటీక వ్రాయుము.

4. Explain any three methods for detection of ultrasonics.

   అతిధ్వనుల శోధనము గురించి ఏవైన మూడు పద్ధతులను వివరింపుము.

5. Explain briefly about the tuning fork.

   శృతిదండము గురించి లఘుటీక వ్రాయండి.

6. The amplitude of a seconds pendulum falls to half of the initial value in 150 sec. Calculate the Q-factor.

   150 sec ల కాలంలో సెకండ్ల లోలకము యొక్క కంపన పరిమితి ప్రాథమిక విలువ కన్నా సగానికి పడిపోతే, దాని గుణభాజకమును కనుగొనుము.

7. Calculate the fundamental frequency of a Quartz crystal of thickness 3 mm. Given $Y = 8 \times 10^{10} N/m^2$ and $\rho = 2.5 \times 10^3 kg/m^3$.

3 mm మందము కలిగిన క్వార్ట్జ్ స్ఫటికం యొక్క ప్రాథమిక పౌనఃపున్యంను రాబట్టండి. (యంగ్ గుణకము $Y = 8 \times 10^{10} N/m^2$; సాంద్రత – $\rho = 2.5 \times 10^3 kg/m^3$)

8. A steel wire 50 cm long has mass of 5 gm. It is stretched with a tension of 400 N. Find the frequency of the wire in fundamental mode of vibration.

50 cm పొడవు గల స్టీలు తీగ ద్రవ్యరాశి 5 గ్రా. తీగకు 400 N తన్యతను అనువర్తింపచేసి సాగదీసినపుడు, తీగలో ప్రాథమిక కంపన రీతి పౌనఃపున్యాన్ని కనుగొనండి.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Define Torsion Pendulum. How you determine the modulus of rigidity of a given material of wire by using Torsion Pendulum. Explain.

విమోటన లోలకం అనగా నేమి? విమోటన లోలకంతో ఇచ్చిన తీగ యొక్క పదార్థ విమోటన గుణకంను మీరు ఎలా కనుగొంటారో వివరింపుము.

Or

10. Find the resultant of two simple harmonic vibrations of same frequency acting mutually perpendicular direction.

ఒకే పౌనఃపున్యం కలిగి ఒక దానినొకటి లంబదిశలో నున్న రెండు సరళహారాత్మక చలనముల ఫలిత చలనంను కనుగొనుము.

UNIT II

11. Find the equation of motion for a damped harmonic oscillator and find its solution

అవరుద్ధ హరాత్మక డోలకం యొక్క అవకలన సమీకరణాన్ని కనుక్కోండి. మరియు పరిష్కారము కనుక్కోండి.

Or

12. Find the equation of motion for a forced oscillator. Derive an expression for amplitude of forced Oscillator.

బలాత్కృకత డోలకము యొక్క చలన సమీకరణంను కనుక్కోండి. బలాత్కృత డోలకము కంపన పరిమితికి సమీకరణమును సాధించుము.

UNIT III

13. Explain Fourier theorem to analyze Triangular wave.

పురియే సిద్ధాంతము సహాయంతో త్రికోణ ఆవర్తన తరంగంను విశ్లేషించండి.

Or

14. Analyse square wave with the help of Fourier theorem.

పురియే సిద్ధాంతం సహాయంతో చతురస్రాకార తరంగమును విశ్లేషించండి.

UNIT IV

15. Discuss the mathematical theory of modes of vibration of a stretched string clamped at both ends. Explain overtones and harmonics.

రెండు చివరల బిగించబడిన సాగదీసిన తీగలో కంపన రీతులకు గణిత సిద్ధాంతంతో చర్చింపుము. అతిస్వరములు, అనుస్వరులను వివరించండి.

Or

16. Define longitudinal wave. Derive the equation for the velocity of longitudinal wave in a bar.

అనుదైర్ఘ్య తరంగమును నిర్వచించండి. ఒక దండములో అనుదైర్ఘ్య తరంగ వేగమునకు సమీకరణంను సాధించుము.

UNIT V

17. What are ultrasonics? Describe how ultrasonics are produced by Piezo–electric method.

అతిధ్వనులు అనగా నేమి? అతిధ్వనులను పీడన విద్యుత్ ఫలితము పద్ధతిలో ఏ విధంగా ఉత్పత్తి చేస్తారు?

Or

18. Explain the method for the determination of wavelength of ultrasonics.

అతిధ్వనుల తరంగ దైర్ఘ్యమును కనుగొనే పద్ధతిని వివరింపుము.

(2004FBS15)

B.Sc. (H & HA) DEGREE (CBCS) EXAMINATION,
APRIL 2016.

(Examination at the end of Second Semester)

Part II — Core Courses

FOOD AND BEVERAGE SERVICE – II

(Regulation 2015-16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain the importance of Menu Planning.
2. Write about A' la Carte and Table D' hotel menus.
3. Explain the Service Accompaniments.
4. Explain the a la carte, and TDH Setups.
5. Explain the Buffet and Cafeteria Service.
6. Write the single point service.
7. Explain the control methods.
8. Write the Billing Methods.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Trace the origin and history of menu. Briefly explain the types of menu.

Or

10. Explain the five south Indian menus with accompaniments.

UNIT II

11. Write about French Classical Menu.

Or

12. Explain the different types of service methods.

UNIT III

13. Explain the following of :

(a) Brunch

(b) Lunch

(c) Dinner

(d) Supper.

Or

14. Explain in detail about specialized services.

UNIT IV

15. Write a short note on room service operation.

Or

16. Explain the use of Tray, Trolley and Salamander Lounge.

UNIT V

17. Write the Duplicate and Triplicate System.

Or

18. Explain different methods of payments during settlement of bill.

———————

(2004FOF15)

B.Sc. (H & HA) DEGREE (CBCS) EXAMINATION,
APRIL 2016.

(Examination at the end of Second Semester)

Part - II : Core Courses

FRONT OFFICE – II

(Regulation 2015–16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Draw an Organization Chart of Medium Hotel.
2. Explain about Mail Message System.
3. What are the role and functions of Lobby Manager?
4. Write the duties and responsibilities of a Bell Boy.
5. Explain about Over Booking.
6. What is the role of Front Office in a Hotel?
7. Describe the Duties of a Travel Agent.
8. Write the cancellation of a reservation.

PART B — (5 × 10 = 50 marks)

Answer the following questions

UNIT I

9. Draw an Organization Structure of Front Office Department of a large hotel. Explain the duties of staff.

Or

10. What are the equipments used at Front Office?

UNIT II

11. Explain the different stages of Guest Cycle.

Or

12. Explain the role and functions of Front Office Manager.

UNIT III

13. Explain the Types of Reservation.

Or

14. What is a Group Reservation? Explain handling procedure.

UNIT IV

15. Explain the procedure of Tariff Fixation.

Or

16. Draw a neat diagram of guest reservation form. What are the various sources of reservation?

UNIT V

17. What is FEMA? Explain.

Or

18. Write the capital, currency, national airlines for the below mentioned.

(a) Egypt
(b) Japan
(c) Russia
(d) Denmark
(e) Bangladesh
(f) Indonesia
(g) Sri Lanka
(h) China
(i) Israel
(j) Oman.

———————

(2004FPR15)

B.Sc. (H & HA) DEGREE (CBCS) EXAMINATION,
APRIL 2016.

(Examination at the end of Second Semester)

Part - II : Core Courses

FOOD PRODUCTION – II

(Regulation 2015–16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Classify fruits and vegetables.
2. What is the different temperature zones used in hotels?
3. How do you assess the quality of eggs?
4. How do you truse a chicken for roasting?
5. Discuss the preparation of court bouillon.

6. Explain the flavouring and colouring agents.

7. Explain the role of egg in bakery.

8. Explain the different dough's used in bakery.

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Describe the role of cereals and pulses in cooking.

Or

10. Discuss the points to be remembered while using milk and milk products in cookery.

UNIT II

11. List the various cuts of poultry with neatly drawn diagram.

Or

12. Discuss the cuts of fish neatly diagram and their uses in detail.

UNIT III

13. Define roux. Discuss various types and their uses.

Or

14. List the mother sauces and give the method of preparation for at least four.

UNIT IV

15. Explain the classification of soups.

Or

16. Explain the flavouring and colouring agents in cooking.

UNIT V

17. Explain the different stages of sugar when melted and its application bakery.

Or

18. Discuss the role of egg, fat and leavening agents in bakery products.

———————

(2004HKP15)

B.Sc. (H & HA) DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)

Part II — Core Courses

HOUSE KEEPING – II

(Regulation 2015 – 16)

Time : Three hours Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain about names and their uses of mechanical and manual equipments.
2. Explain about Spring Cleaning.
3. Write the Cleaning Procedure of Employee's areas.
4. What are the concepts of safeguarding assets?
5. Describe the Weekly Cleaning Procedure.
6. Write the types of guest supplies.
7. Explain the characteristics of a good cleaning agent.
8. What are the standard contents of a guest room?

PART B — (5 × 10 = 50 marks)

Answer the following questions.

UNIT I

9. Describe the types of Cleaning Agents.

Or

10. Explain the storage, upkeep and maintenance of equipment.

UNIT II

11. Describe about Vacant Room Cleaning Procedure.

Or

12. Write about the Placements of Guest Supplies.

UNIT III

13. Explain the Cleaning Procedure of Floors, Walls and Laminated Surfaces.

Or

14. Write any three Public Areas; Cleaning Procedures.

UNIT IV

15. What are the types of pests use in H.K. and their control procedure?

Or

16. Describe the Turn Down Service.

UNIT V

17. Explain about Cleaning of various surfaces.

Or

18. Explain about Daily Cleaning of Room,

———————