

Shri Shivaji Education Society, Amravati's
Y.D.V.D. Arts, Commerce College, Teosa. Dist-Amravati

Syllabus From 2016-17 to 2020-21

| Sr.No | Year | Courses | | | |
|--------------|----------------|----------------|--------------|-------------|------------|
| | | B.A | B.Com | B.Sc | M.A |
| 1 | 2016-17 | ✓ | ✓ | ✓ | ✓ |
| 2 | 2017-18 | ✓ | ✓ | ✓ | ✓ |
| 3 | 2018-19 | ✓ | ✓ | ✓ | ✓ |
| 4 | 2019-20 | ✓ | ✓ | ✓ | ✓ |
| 5 | 2020-21 | ✓ | ✓ | ✓ | ✓ |

Syllabus of B.A

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE

Official Publication of Sant Gadge Baba Amravati University



PART – TWO

Thursday, the 15th June, 2017

NOTIFICATION

No. 40/2017

Date : 15 June, 2017

Subject : Implementation of Syllabi of Various Courses / Subjects as per Semester and Credit Grade System in the Faculty of Humanites from the session 2017-2018 and Onwards.

It is notified for general information of all concerned that, the authorities of the University has accepted of Semester & Credit Grade System syllabi of various Courses/ Subjects of B.A. Part-I Semester-I & Semester – II mentioned in column No.2 and which is to be implemented stagewise from the session 2017-2018 and onwards, with appendices as shown in column No.3 of the following table.

TABLE

| Sr.No. | Course / Subjects | Appendices of the New Syllabi |
|---|--------------------|---|
| 1 | 2 | 3. |
| B.A.Part-I Semester – I & II | | |
| 1. | English | The Syllabi prescribed for the subject Compulsory English, English Literature, Functional English & Supplementary English which is appended herewith as Appendix-A |
| 2. | Marathi | The Syllabi prescribed for the subject Compulsory Marathi, Marathi Literature, which is appended herewith as Appendix-B |
| 3. | Hindi | The Syllabi prescribed for the subject Compulsory Hindi, Hindi Literature, & Prayojanmulak Hindi which is appended herewith as Appendix-C |
| 4. | Sanskrit | The Syllabi prescribed for the subject Compulsory Sanskrit & Sanskrit Literature, which is appended herewith as Appendix-D |
| 5. | Urdu | The Syllabi prescribed for the subject Compulsory Urdu & Urdu Literature, which is appended herewith as Appendix-E |
| 6. | Persian Literature | The Syllabi prescribed for the subject Persian Literature which is appended herewith as Appendix-F |
| 7. | Pali & Prakrit | The Syllabi prescribed for the subject Compulsory Pali & Prakrit & Pali Literature which is appended herewith as Appendix-G |
| 8. | Music | The Syllabi prescribed for the subject Indian Music which is appended herewith as Appendix-H |

Sd/-
Registrar
Sant Gadge Baba Amravati University

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2017 - PART TWO -76



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प्रचार्य
अध्यक्षान्वय विद्या जि. अमरावती

NOTIFICATION

No. 47/2018

Date : 7 June, 2018

Subject : Implementation of Syllabi of Various Courses / Subjects as per Semester and Credit & Grade System in the Faculty of Humanites, from the session 2018-2019 and Onwards.

It is notified for general information of all concerned that, the authorities of the University has accepted Semester, Credit & Grade System syllabi of various Courses/ Subjects of B.A. Part-II Semester-III & Semester – IV mentioned in column No.2 and which is to be implemented stagewise from the session 2018-2019 and onwards, with appendices as shown in column No.3 of the following table.

TABLE

| Sr.No. | Course / Subjects | Appendices of the New Syllabi |
|--------|-------------------|-------------------------------|
| 1 | 2 | 3. |

B.A.Part-II Semester – III & IV

- | | |
|-----------------------|---|
| 1. English | The Syllabi prescribed for the subject Compulsory English, English Literature, Functional English & Supplymentary English which is appended herewith as Appendix-A |
| 2. Marathi | The Syllabi prescribed for the subject Compulsory Marathi , Marathi Literature, which is appended herewith as Appendix-B |
| 3. Hindi | The Syllabi prescribed for the subject Compulsory Hindi, Hindi Literature, & Prayojanmulak Hindi which is appended herewith as Appendix-C |
| 4. Sanskrit | The Syllabi prescribed for the subject Compulsory Sanskrit & Sanskrit Literature, which is appended herewith as Appendix-D |
| 5. Urdu | The Syllabi prescribed for the subject Compulsory Urdu & Urdu Literature, which is appended herewith as Appendix-E |
| 6. Persian Literature | The Syllabi prescribed for the subject Persian Literature which is appended herewith as Appendix-F |
| 7. Pali & Prakrit | The Syllabi prescribed for the subject Compulsory Pali & Prakrit & Pali Literature which is appended herewith as Appendix-G |
| 8. Music | The Syllabi prescribed for the subject Indian Music which is appended herewith as Appendix-H |



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(Signature)
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Sant Gadge Baba Amravati University.

NOTIFICATION

No. : 61/2018

Date : 28 June, 2018

Subject : Implementation of Syllabi of Various Course / Subjects as per Semester and Credit Grade System in the Faculty of Humanities from the Session 2018-2019 and onwards.

It is notified for general information of all concerned that the authorities of the University has accepted the Syllabus of the following various courses / subjects as per Semester and Credit Grade System as mentioned in Column No.2 which are to be implemented from the session 2018-2019 and onwards with appendices which are attached herewith as shown in column No. 3 of the following table.

TABLE

| Sr.No. | Course / Subjects | Appendices of the New Syllabi |
|--------|-------------------------------------|---|
| | B.A. Semester-III & IV | |
| 1. | History | The Syllabi prescribed for the subject History which is appended herewith as Appendix – 'A' |
| 2. | Geography | The Syllabi prescribed for the subject Geography which is appended herewith as Appendix – 'B' |
| 3. | Economics | The Syllabi prescribed for the subject Economics which is appended herewith as Appendix – 'C' |
| 4. | Philosophy | The Syllabi prescribed for the subject Philosophy which is appended herewith as Appendix – 'D' |
| 5. | Home Economics | The Syllabi prescribed for the subject Home Economics which is appended herewith as Appendix – 'E' |
| 6. | Sociology | The Syllabi prescribed for the subject Sociology which is appended herewith as Appendix – 'F' |
| 7. | Psychology | The Syllabi prescribed for the subject Psychology which is appended herewith as Appendix – 'G' |
| 8. | Political Science | The Syllabi prescribed for the subject Political Science which is appended herewith as Appendix – 'H' |
| 9. | Statistics | The Syllabi prescribed for the subject Statistics which is appended herewith as Appendix – 'I' |
| 10. | Public Administration | The Syllabi prescribed for the subject Public Admn. which is appended herewith as Appendix – 'J' |
| 11. | Community Development and Extension | The Syllabi prescribed for the subject Community Devp. and Extn. which is appended herewith as Appendix – 'K' |
| 12. | Co-operation | The Syllabi prescribed for the subject Co-operation which is appended herewith as Appendix – 'L' |
| 13. | Early Childhood Care and Education | The Syllabi prescribed for the subject Early Childhood Care and Education which is appended herewith as Appendix – 'M' |
| 14. | RashtrasantTukdoji Thought | The Syllabi prescribed for the subject RashtrasantTukdoji Thought which is appended herewith as Appendix – 'N' |
| 15. | Yogshastra | The Syllabi prescribed for the subject Yogshastra which is appended herewith as Appendix – 'O' |
| 16. | Library and Information Science | The Syllabi prescribed for the subject Library and Information Science which is appended herewith as Appendix – 'P' |
| 17. | Food and Technology | The Syllabi prescribed for the subject Food and Tech. which is appended herewith as Appendix – 'Q' |
| 18. | Apparel and Textile Designing | The Syllabi prescribed for the subject Apparel and Textile Designing which is appended herewith as Appendix – 'R' |
| 19. | Human Rights | The Syllabi prescribed for the subject Human Rights which is appended herewith as Appendix – 'S' |
| 20. | Rural Development | The Syllabi prescribed for the subject Rural Development which is appended herewith as Appendix – 'T' |
| 21. | Rural Handicraft | The Syllabi prescribed for the subject Rural Handicraft which is appended herewith as Appendix – 'U' |



(Signature)
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SantGadge Baba Amravati University

NOTIFICATION

No. 64/2019

Date : 4/7/ 2019

Subject : Implementation of Syllabi of Various Courses / Subjects as per Semester and Credit & Grade System in the Faculty of Humanites, from the session 2019-2020 and Onwards.

It is notified for general information of all concerned that, the authorities of the University has accepted Semester, Credit & Grade System syllabi of various Courses/ Subjects of B.A. Part-III Semester-V & Semester – VI mentioned in column No.2 and which is to be implemented stagewise from the session 2019-2020 and onwards, with appendices as shown in column No.3 of the following table.

TABLE

| Sr.No. Course / Subjects | | Appendices of the New Syllabi |
|--------------------------|---|-------------------------------|
| 1 | 2 | 3. |

B.A.Part-III Semester – V & VI

- | | |
|-----------------------|---|
| 1. English | The Syllabi prescribed for the subject Compulsory English, English Literature, Functional English & Supplymentary English which is appended herewith as Appendix-A |
| 2. Marathi | The Syllabi prescribed for the subject Compulsory Marathi , Marathi Literature, which is appended herewith as Appendix-B |
| 3. Hindi | The Syllabi prescribed for the subject Compulsory Hindi, Hindi Literature, & Prayojanmulak Hindi which is appended herewith as Appendix-C |
| 4. Sanskrit | The Syllabi prescribed for the subject Compulsory Sanskrit & Sanskrit Literature, which is appended herewith as Appendix-D |
| 5. Urdu | The Syllabi prescribed for the subject Compulsory Urdu & Urdu Literature, which is appended herewith as Appendix-E |
| 6. Persian Literature | The Syllabi prescribed for the subject Persian Literature which is appended herewith as Appendix-F |
| 7. Pali & Prakrit | The Syllabi prescribed for the subject Compulsory Pali & Prakrit & Pali Literature which is appended herewith as Appendix-G |
| 8. Music | The Syllabi prescribed for the subject Indian Music which is appended herewith as Appendix-H |



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Syllabus of B.Com.

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2017 - PART TWO -326

NOTIFICATION

No. 61/2017

Date : 29 June, 2017

Subject : Implementation of New Syllabi of Various Course/Subjects as per semester and credit & Grade System in the Faculty of Commerce & Management from the session 2017-2018 & onwards.

It is notified for general information of all concerned that, the authorities of the University has accepted Semester & Credit & Grade System syllabi of various Course/ Subjects of B.Com. Part-I, Semester- I & Semester - II mentioned in column No.2 and which is to be implemented stagewise from the session 2017-2018 and onwards with appendices as shown in column No.3 of the following table.

TABLE

| Sr.No. | Course / Subjects | Appendices of the new syllabi. |
|------------------------------------|---|--|
| 1 | 2 | 3 |
| B.Com. Semester- I & II | | |
| 1. | Compulsory English | The Syllabi prescribed for the subject Compulsory English which is appended herewith as Appendix - A |
| 2. | Supplementary English | The Syllabi prescribed for the subject Supplementary English which is appended herewith as Appendix - B |
| 3. | Hindi | The Syllabi prescribed for the subject Hindi which is appended herewith as Appendix - C |
| 4. | Sanskrit | The Syllabi prescribed for the subject Sanskrit which is appended herewith as Appendix - D |
| 5. | Marathi | The Syllabi prescribed for the subject Marathi which is appended herewith as Appendix - E |
| 6. | Urdu | The Syllabi prescribed for the subject Urdu which is appended herewith as Appendix - F |
| 7. | Pali | The Syllabi prescribed for the subject Pali which is appended herewith as Appendix - G |
| 8. | Computer Fundamental Operating System- I & II | The Syllabi prescribed for the subject Computer and Fundamental and Operating System- I & II which is appended herewith as Appendix - H |
| 9. | Principles of Economics | The Syllabi prescribed for the subject Principles of Economics which is appended herewith as Appendix - I |
| 10. | Business Economics | The Syllabi prescribed for the subject Business of Economics which is appended herewith as Appendix - J |
| 11. | Advanced Accountancy | The Syllabi prescribed for the subject Advanced Accountancy which is appended herewith as Appendix - K |
| 12. | Financial Accounting | The Syllabi prescribed for the subject Financial Accounting which is appended herewith as Appendix - L |
| 13. | Principles of Business organization | The Syllabi prescribed for the subject Principles of Business organization which is appended herewith as Appendix - M |
| 14. | Principles of Business Management | The Syllabi prescribed for the subject Principles Management of Business Management which is appended herewith as Appendix - N |

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NOTIFICATION

No. 62/2019

Date : 4 July, 2019

Subject : Implementation of New Syllabi of Various Course/Subjects as per semester and credit & Grade System in the Faculty of Commerce Management from the session 2019-2020 & onwards.

It is notified for general information of all concerned that, the authorities of the University has accepted Semester & Credit & Grade System syllabi of various Course/ Subjects of B.Com. Part-III, Semester- V & VI mentioned in column No.2 and which is to be implemented stagewise from the session 2019-2020 and onwards with appendices as shown in column No.3 of the following table.

TABLE

| Sr.No. | Course / Subjects | Appendices of the new syllabi. |
|--------|-------------------|--------------------------------|
| 1 | 2 | 3 |

B.Com. Semester- V

| | | |
|-----|--------------------------------|--|
| 1. | Compulsory English | The Syllabi prescribed for the subject Compulsory English which is appended herewith as Appendix - A |
| 2. | Supplementary English | The Syllabi prescribed for the subject Supplementary English which is appended herewith as Appendix - B |
| 3. | Marathi | The Syllabi prescribed for the subject Marathi which is appended herewith as Appendix - C |
| 4. | Hindi | The Syllabi prescribed for the subject Hindi which is appended herewith as Appendix - D |
| 5. | Sanskrit | The Syllabi prescribed for the subject Sanskrit which is appended herewith as Appendix - E |
| 6. | Pali & Prakrit | The Syllabi prescribed for the subject Pali & Prakrit which is appended herewith as Appendix - F |
| 7. | Urdu | The Syllabi prescribed for the subject Urdu which is appended herewith as Appendix - G |
| 8. | Cost Accounting | The Syllabi prescribed for the subject Cost Accounting which is appended herewith as Appendix - H |
| 9. | Business Environment | The Syllabi prescribed for the subject Business Environment which is appended herewith as Appendix - I |
| 10. | Business Regulatory Frame Work | The Syllabi prescribed for the subject Business Regulatory Frame Work which is appended herewith as Appendix - J |
| 11. | Process Business - I | The Syllabi prescribed for the subject Process Business - I which is appended herewith as Appendix - K |
| 12. | Co-Operative Business - I | The Syllabi prescribed for the subject Co-Operative Business - I which is appended herewith as Appendix - L |
| 13. | Indian Insurance System - I | The Syllabi prescribed for the subject Indian Insurance System - I which is appended herewith as Appendix - M |
| 14. | Indian Banking System- I | The Syllabi prescribed for the subject Indian Banking System- I which is appended herewith as Appendix - N |
| 15. | Internet & www -I | The Syllabi prescribed for the subject Internet & www -I which is appended herewith as Appendix - O |
| 16. | e-Commerce | The Syllabi prescribed for the subject e-Commerce - I which is appended herewith as Appendix - P |



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NOTIFICATION

No. 112 /2018

Date : 12 October, 2018

Subject : Implementation of New Syllabi of B.Com. (Accounting and Finance) as per semester and credit & Grade System in the Faculty of Commerce & Management from the session 2018-2019 & onwards.

It is notified for general information of all concerned that, the authorities of the University have accepted new syllabi of B.Com.(Accounting and Finance) Semester-I to Semester-VI as per semester and Credit and Grade system in the faculty of Commerce and Management, which is to be implemented from the session 2018-2019 and onwards in phasewise manner as per Appendix-A appended to this notification.

Sd/-
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Sant Gadge Baba Amravati University
Amravati.

Appendix – A

**B. Com. -I (Accounting and Finance)
Semester – I
(Compulsory English)**

Theory :- 40 Marks

Time :- 2 Hours

Text Prescribed for study: RAYS OF LETTERS

(As per model curriculum of the U.G.C. for B.Com. Part- I and published by Raghav Publisher and Distributors, Mahal, Nagpur.)

Unit I : PROSE

1. The Eyes are not Here — Ruskin Bond
2. The Romance of a Busy Broker — O. Henry
3. Bores — E.V. Lucas
4. The Lost Child — Mulk Raj Anand

Unit II : POETRY

1. The World is too — William Wordsworth Much With us
2. Once Upon a time — Gabriel Okara
3. If — Rudyard Kipling

Unit III: GRAMMAR (strictly based on the prescribed text)

- A. Articles
- B. Synonyms & Antonyms
- D. Tense Forms

Unit IV : BUSINESS CORRESPONDENCE AND WRITING SKILLS

(As given in the prescribed text.)

- A. Letter Writing (Formal)
Applications for Job/Complaint/Order

Distribution of Marks (40 : 10)

A) Theory 40 Marks

Textual Components:

Que. 1- PROSE

Que. 1 Any three long answer questions to be attempted out of four each carrying four marks.
4X3=12 Marks

Que. 2- POETRY

Que.2 Any three long answer questions to be attempted out of Six each carrying four marks. 4X3=12 Marks

Que.3 :- Multiple Choice Questions: 08 Marks

Eight questions each carrying one mark.

Que. 4 GRAMMAR (TEXTUAL)

- a) Articles- 01
- b) Synonyms & Antonyms-02

Que. 5- BUSINESS CORRESPONDENCE AND WRITING SKILLS- 05 marks

a) Letter Writing

i) Formal Letter

(Application for Job/Complaint/Order) 5X1 = 5 Marks
(Any one out of two)

B) Internal Assessment — 10 Marks

(i) Class Test — 05 Marks.

(ii) Home Assignment — 05 Marks.



(Handwritten signature)
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महाविद्यालय, तिवसा जि. अमरावती

Syllabus of B.Sc.


B.Sc. Part-II (2014-15) Prospectus No. 2015122
(Semester-III & IV)

संत गाडगेबाबा अमरावती विद्यापीठ
SANT GADGE BABA AMRAVATI UNIVERSITY

विज्ञान विद्याशाखा
(FACULTY OF SCIENCE)

अभ्यासक्रमिका
विज्ञान स्नातक भाग-२
सत्र-३ व ४, परीक्षा

PROSPECTUS
OF
B.Sc. Part-II
Semester-III Examination Winter-2014, and
Semester-IV Examination Summer-2015



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महाविद्यालय, तिवसा जि. अमरावती


B.Sc. Final Exam., 2011 Prospectus No. 2011123

संत गाडगे बाबा अमरावती विद्यापीठ
SANT GADGE BABA AMRAVATI UNIVERSITY

विज्ञान विद्याशाखा
(FACULTY OF SCIENCE)

अभ्यासक्रमिका
विज्ञान स्नातक अन्त्य परीक्षा, २०११
(त्रिवर्षीय अभ्यासक्रम)

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महाविद्यालय, तिवसा जि. अमरावती



Thursday, the 7th June, 2018

NOTIFICATION

No. 38 / 2018

Date: 7 / 6 / 2018

Subject : Introduction of new syllabi for the subject Geology at B.Sc. Part-II (Sem. III & IV) level, which to be implemented from the academic session 2018-19.

It is notified for general information of all concerned that the authorities of the University has introduced new syllabi for the subject Geology at B.Sc. Part-II (Sem. III & IV) level, which to be implemented from the academic session 2018-19. Hence the page Nos. 40 to 44, appearing in prospectus No. 2015122 be substituted respectively by the "APPENDIX", which is appended with this notification.

Sd/-
(Dr.A.P.Deshmukh)
Registrar,

Sant Gadge Baba Amravati University

APPENDIX

SYLLABI PRESCRIBED FOR B.SC.PART-II (Sem. III & IV) TO BE IMPLEMENTED FROM THE ACADEMIC SESSION 2018-19

**SEMESTER III
3S: GEOLOGY
STRATIGRAPHY AND PALEONTOLOGY**

- UNIT I :** Stratigraphy – Introduction- principles and importance. Stratigraphic classification: lithostratigraphic, chronostratigraphic and biostratigraphic units. Physiographical division of India, Geological time scale; Classification, geographic distribution, lithological characteristics, fossil content and economic importance of Archaean Supergroup, Dharwar Supergroup, Sausar Group, Sakoli Group. Dongargarh supergroup, Aravali supergroup.
- UNIT II :** Classification, geographic distribution, lithological characteristics, fossil content and economic importance of Cuddapah Supergroup of Cuddapah basin, Kaladgis, Delhi Supergroup, Vindhyan Supergroup of Vindhyan basin, Kurnool Supergroup, Triassic of Spiti. Pakhals, Penganga Formation, Chhatisgarh supergroup.
- UNIT III :** Classification, geographic distribution, lithological characteristics, fossil content and economic importance of Gondwana Supergroup; Jurassic of Kutch, Rajasthan and Spiti; Deccan Trap, Lameta Formation, Bagh Beds, Cretaceous of Narmada valley and Trichonopoly, shivalik supergroup, Stratigraphy of Maharashtra.
- UNIT IV :** Paleontology: Introduction, branches, importance and scope. Fossils: definition, processes of fossilization, modes of preservation, significance of fossils, types of fossils – body fossils, plant fossils, trace fossils, index and zone fossils. Classification of animal fossils - major phylums and classes. Micropalaeontology – Introduction, types of microfossils, significance.
- UNIT V :** Phylum Mollusca: characteristic features and classification. Class: Lamellibranchia or Bivalvia: characteristic features, morphology of hard parts, type of hinge lines and dentitions, ornamentation of shell. Tabular and systematic classification, Geological and geographical distributions. Class: Gastropoda: characteristic features, morphology of hard parts of the shell, orientation of shell, types of shell. Tabular and systematic classification, Geological and geographical distributions. Class Cephalopoda: characteristic features, morphology of hard parts of Nautiloids, Ammonoids and Belemnites; type of suture lines, comparison between Nautiloids and Ammonoids. Tabular and systematic classification, Geological and geographical distributions. Phylum Brachiopoda: characteristic features, morphology of hard parts of class articulate and inarticulate. Types of brachial skeleton. Tabular and systematic Classification, Geological and geographical distributions.
- UNIT VI :** Phylum Echinodermata: Class Echinodea- characteristic features, morphology of hard parts of regularia and irregularia. Variations in the apical disc in cchinoids. Tabular and systematic classification, Geological and geographical distributions. Phylum Arthropoda: Class Trilobita- characteristic features, morphology of hard parts of trilobites, Tabular and systematic Classification, Geological and geographical distributions. Phylum Coelenterate: Class Anthozoa - characteristic features, madreporaria, polyp, medusa, types of septa. Tabular and systematic classification, Geological and geographical distributions, plants of gondwana period



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NOTIFICATION

No. 44 / 2018

Date: 7/ 6 /2018

Subject : Introduction of new syllabi for B.Sc. Part-II (Semester-III & IV) Computer Science / Computer Application/ Information Technology which to be implemented from the academic session 2018-19.

It is notified for general information of all concerned that the authorities of the University has introduced new syllabi for B.Sc. Part-II (Semester-III & IV) Computer Science / Computer Application/ Information Technology), which to be implemented from the academic session 2018-19. Hence the page Nos. 98 to 102, appearing in prospectus No. 2015122 be substituted respectively by the "**APPENDIX**", which is appended with this notification.

Sd/-
(Dr.A.P.Deshmukh)
Registrar,
Sant Gadge Baba Amravati University

APPENDIX

Syllabus prescribed for B.Sc. Part II (Semester-III & IV) Computer Science / Computer Application/ Information Technology to be implemented from the Academic Session 2018-19 & onwards.

B.Sc. Part-II (Semester-III)

The Examination in Computer Science of Third Semester shall comprise of one theory paper of 80 Marks of three hours duration and internal assessment of 20 Marks. The practical examination will be of 4 Hrs. duration and carry 50 Marks.

The distribution of marks for practical examination is as under:

- | | |
|---|------------|
| 1. Program writing / execution (on group A & B) | : 30 Marks |
| 2. Practical record | : 10 Marks |
| 3. Viva Voce | : 10 Marks |

Total 50 Marks

**3S: Computer Science / Computer Application/ Information Technology
Data Structure and C++**

Unit I : Data structure: Introduction to data structure, types of data structure: primitive and non primitive, linear and non linear data structure, data structure operations.

Linear arrays: Definition and concepts, representations, operations on arrays: traversing, inserting, deleting.

Stacks: Definition and concepts, representations, operations on stacks: Push , Pop.

Unit II: Queues: Definition and concepts, representations, operations: Insert and delete; concept of circular queue, dequeue, priority queue. **Linked List:** Introduction, implementation of linked list, types of linked list: single, circular and doubly linked list. Operations on linked list: Insert, Delete, Search.

Unit III: Trees: Definition and concept, binary tree, traversing operations: in order, pre-order, post-order
Sorting and Searching: Definition and concept, **sorting techniques:** bubble, selection, insertion, merge and quick sort. **Searching techniques:** Sequential and binary searching.

Unit IV : Object Oriented Programming: features, advantages and applications of oops. Introduction to C++, Program structure in C++. **Classes and Objects:** classes and objects specifiers, defining data member and member functions; accessing members. **Managing console I/O :** Formatted and Unformatted, Usage of manipulators, memory allocation operators: new and delete, scope resolution operator.

Unit V: Functions in C++: Passing objects to and returning objects from functions. Function overloading and default argument, Inline function, Friend function. Array of Objects, Pointer to objects, 'this' pointer. Constructor and Destructor: Types of constructor, Usage of Constructor.

Unit VI : Operator Overloading : Definition, Overloading unary and binary operators. **Inheritance:** Definition, Visibility mode; Types of inheritance with example, virtual base classes and abstract base classes.

Books Recommended:

1. An introduction to data structure with application: Jean-paul Trembley, Paul G Soresan Mc Graw Hill Publication.
2. Data structures : Horowitz, Sahani, Galgotia-Publication
3. Data structure and algorithms : Aho, Hopcroft, Ulman



प्रचार्य
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महाविद्यालय, तिवसा जि. अमरावती

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



Official Publication of Sant Gadge Baba Amravati University

PART TWO

Thursday, the 27th June, 2019

NOTIFICATION

No. 56/2019

Date: 27/6/2019

- Subject : I) Introduction of new syllabi for the subject Geology at B.Sc. Part-III (Sem. V & VI) level, which to be implemented from the academic session 2019-20.
II) Introduction of new syllabi for B.Sc. Part-III (Semester-V & VI) Computer Science / Computer Application/ Information Technology/Computer Application(Vocational) which to be implemented from the academic session 2019-20.

I) It is notified for general information of all concerned that the authorities of the University has introduced new syllabi for the subject Geology at B.Sc. Part-III (Sem. V & VI) level, which to be implemented from the academic session 2019-20. Hence, the page Nos. 42 to 46, appearing in prospectus No. 2016123 be substituted respectively by the "APPENDIX-A", which is appended with this notification.

II) It is notified for general information of all concerned that the authorities of the University has introduced new syllabi for B.Sc. Part-III (Semester-V & VI) Computer Science / Computer Application/ Information Technology/Computer Application(Vocational), which to be implemented from the academic session 2019-20. Hence, the page Nos. 88 to 97, appearing in prospectus No. 2016123 be substituted respectively by the "APPENDIX-B", which is appended with this notification.

Sd/-
(Dr. T.R.Deshmukh)
Registrar,

Sant Gadge Baba Amravati University

APPENDIX-A

SYLLABI PRESCRIBED FOR B.SC. FINAL TO BE IMPLEMENTED FROM THE A.S. 2019-20 SEMESTER-V SS : GEOLOGY

ECONOMIC GEOLOGY AND MINERAL EXPLORATION

- UNIT I : Economic geology: Introduction, purpose and scope; Metallic and non metallic minerals, ore, ore deposits, gangue minerals, tenor and grade of the ore; Processes of ore formation, types of deposits, distribution of mineral deposits in space and time, metallogenic epochs and provinces, geological thermometers; Classifications of mineral deposits, magmatic concentration deposits, contact metasomatic deposits.
- UNIT II : Sedimentary deposits, hydrothermal deposits (cavity filling and replacement), evaporation deposits, colloidal deposits, residual and mechanical concentration deposits, oxidation and supergene sulphide enrichment deposits, metamorphic and metamorphosed deposits.
- UNIT III : Mineralogy, properties, uses, origin, mode of occurrence, types of deposits, geological and geographical distribution in India of the metallic mineral deposits like gold, iron, copper, lead, zinc, manganese, aluminium and chromite.
- UNIT IV : Mineralogy, properties, uses, origin, mode of occurrence, types of deposits, geological and geographical distribution in India of non-metallic deposits like asbestos, mica, gypsum, barite, magnesite and limestone. Properties, classifications, origin, uses, geological and geographical distribution of coal deposits of India. Origin and migration of oil, oil trap and its types, geological and geographical distribution of Petroleum deposits of India.
- UNIT V : Mineral exploration and prospecting, definition and scope, surface methods of exploration and their applications, sub surface methods of exploration like, gravity, magnetic, electrical, seismic, radiometric, geochemical and geobotanical methods and their applications in Geology.
- UNIT VI : Guides and controls of ore localization, sampling-Its types, calculations and computation of grade and ore reserves, geochemical cycle and dispersal; Strategic, critical and essential minerals.

Practicals

- Identification of ore minerals by Physical properties (40 to 60 specimens)
- Identification of industrial Minerals by physical properties (20 to 30 specimens)
- Exercises showing major metallic and non metallic minerals on India map (6 to 10 maps)
- Exercises on calculations on grade and ore reserves (6 to 10 problems)
- Laboratory exercises in solving exploration problems (8 to 10 problems)

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Syllabus of M.A

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NOTIFICATION

No. 65/2020

Date :- 23/9/2020

Subject :- Continuation of Prospectus No.20181121 of M.A.(Translation Hindi)

It is notified for information of all concerned that the Prospectus No.20181121 prescribed for M.A.(Translation Hindi) Examination of Winter-2018 & Summer-2019 which was implemented from the academic session 2018-2019 shall be continued for M.A.(Translation Hindi) Examination of Winter-2020 & Summer-2021 with following corrections.

| Sr.No. Reference in Prospectus No. | Corrections / Deletion / Additions Substitutions. |
|-------------------------------------|---|
| 1. 20181121 M.A.(Translation Hindi) | The Syllabus prescribed for M.A.(Translation Hindi) the corrections/deletion/ substitutions be made in Semester-III & Semester-IV as per the Appendix-A appended herewith |

Sd/
Registrar
Sant Gadge Baba Amravati University.

Appendix-A

एम.ए.भाग-२ प्रश्नपत्र १ ते ४ मध्ये बदल करण्याबाबत.. (अभ्यासक्रमांक क्र.२०१८११२१)

- १) पेज क्र.११ वरील ओळ क्र.४ वरील ब) रामचंद्र शुल्क वगळण्यात येवून त्याऐवजी डॉ.मोलानाथ तिवारी वाचण्यात यावे. ई) मैथिलीशरण गुप्त ऐवजी गोस्वामी तुलसीदास वाचण्यात यावे. ४) इकाई समोर अ) करण्यात यावे. ४) इकाई मध्ये ब) अनुवाद संवधी विचार- एडवर्ड फिट्जजेरॉल्ड, डॉ.राजेन्द्र प्रसाद, महादेवी वर्मा असे वाचण्यात यावे. प्रश्न -१ चतुर्थ सत्र इकाई-३ मध्ये ई) मोलानाथ तिवारी ऐवजी मैथिलीशरण गुप्त व आ. रामचंद्र शुक्ल असे वाचण्यात यावे.
- २) पेज क्र.१२ वरील ओळ क्र.४ मध्ये अनुवाद की समस्याए एवं समाधान करण्यात यावे. अंक विभाजन मध्ये दीर्घोत्तरी प्रश्नासमोर 2 x16 = 32 ऐवजी 3 x16 = 48 असे वाचण्यात यावे. २) अनुवाद व्यवहार 2 x8 = 16 ही ओळ वगळण्यात यावी. सूचना मध्ये क्र.१) वरील दो ऐवजी तीन करण्यात यावे. करना या शब्दासमोर -होगा जिरामें क्षेत्रों के उदा.डालना - या शब्दाचा समावेश करण्यात यावा.
प्रश्नपत्र - २ , चतुर्थ सत्र मध्ये अनुवाद की समस्याए एवं समाधान करण्यात यावे. १) दीर्घोत्तरी प्रश्ना समोर 2 x16 = 32 ऐवजी 3 x16 = 48 असे वाचण्यात यावे. २) अनुवाद व्यवहार 2 x8 = 16 ही ओळ वगळण्यात यावी. सूचना मध्ये क्र.१) वरील दो ऐवजी तीन करण्यात यावे. करना या शब्दासमोर -होगा जिसमें क्षेत्रों के उदा.डालना- या शब्दाचा समावेश करण्यात यावा.
- ३) पेज क्र.१६ वरील एम.ए.भाग-२ (अनुवाद हिंदी) प्रश्नपत्र - ४ तृतीय सत्र अनुवाद परियोजना / विनिबंध एवं मौखिकी वगळण्यात येवून त्या ऐवजी खालीलप्रमाणे दिलेला बदल वाचण्यात यावा.

एम.ए.भाग-२ (अनुवाद हिंदी)
प्रश्नपत्र-४ तृतीय सत्र
अनुवाद प्रायोगिक / व्यावहारिक कार्य

- | | |
|---------|---|
| इकाई १. | अंग्रेजी से हिंदी अनुवाद व्यवहार |
| इकाई २ | हिंदी से अंग्रेजी अनुवाद व्यवहार |
| इकाई ३ | मराठी से हिंदी अनुवाद व्यवहार |
| इकाई ४ | हिंदी से मराठी अनुवाद व्यवहार |
| इकाई ५ | वस्तुनिष्ठ प्रश्न : सामान्य हिंदी सामान्य अंग्रेजी से प्रश्न पूछे जायेंगे |



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