Government of Odisha
Department of Higher Education
****

No.:_____7559_____/H.E., Date: 26/03/2019

HE-PTC-OSHEC-0001-2019

From

Sri Krupasindhu Mishra,OAS(SAG),
Addl. Secretary to Govt.

To

The Registrars,
All State Universities
The Principals,
All Autonomous Colleges

Sub: **Reg. Model Syllabi and its adoption by the State Universities/Autonomous Colleges under   Higher Education Department**

Madam/Sir,

In inviting a reference to the subject cited above,I am directed to intimate that Govt. of Odisha have been pleased to approve the Model Syllabi for Under Graduate (UG) Courses (prepared in consultation with all concerned   state universities and their Boards of Studies) across the State Universities/ Autonomous Colleges from the academic session 2019-20. Further, the Universities may put it in their respective Board of Studies as well as Academic Councils for its adoption in the constituent/affiliated Colleges. Similarly, the Autonomous Colleges may adopt the Syllabi following due procedure. In this regard, the soft copy of approved subject wise syllabus of UG Courses may be downloaded from dhe website :www.dheodisha.gov.in for reference.

This is for information and necessary action.

Yours faithfully,

Addl. Secretary to Govt.

Memo No.: ___7555___/H.E., Dated: 26/03/2019
Copy forwarded to PS to Commissioner-cum-Secretary,Higher Education Dept. for kind information of Commissioner-cum-Secretary.

Addl. Secretary to Govt.

GOVT. OF ODISHA
HIGHER EDUCATION DEPARTMENT
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No. 675/57

Date 16.02.2019

OSHEC

From

Parameswaran B, IAS
SPD & Joint Secretary to Government

To

The Registrars / Controller of Exams - Utkal University, Ravenshaw University, FM University, Sambalpur University, Berhampur University, North Odisha University, Rama Devi Women's University, GM University, Khallikote University

Sub: Regarding adoption of SECC-I paper (Communicative English - Special Course) and SECC-II paper (Quantitative and Logical Thinking) in 2019-20 academic year for 2nd year students

Ref: 513/63/OSHEC Dt 5-9-2018 & 590/63/OSHEC Dt 15.12.2018

Madam / Sir,

You are aware that we are in the final stage of adopting a uniform CBCS syllabus for implementation in 2019-20 academic session across the state. There are 2 papers under Skill Enhancement Compulsory Course (SECC) which all undergraduate students are to opt for apart from other core, DSE and GE papers. The SECC papers are to be such that it helps the students in improving their competency as per the requirement of the market. As per the decisions made in the all Vice Chancellors conference, a three VC committee of Utkal, RDWU and Ravenshaw Universities was constituted for drafting of a model SECC-I paper (Communicative English - Special Course) and SECC-II paper (Quantitative and Logical Thinking). English and Maths faculty of these Universities were involved in designing the syllabus. The syllabus of these 2 papers was approved in the VCs conference held on 6th December 2018.

Hence, you are requested to add these 2 papers to the existing list of SECC I and II papers for approval in your University's academic council for their adoption by students studying in II year in 2019-20 (admission year 2018-19).

This is also one of the annual performance milestones under World Bank assisted program OHEPEE. In 2018-19, these papers will be taken up for the 2nd year students studying in the World Bank assisted 70 colleges. Later, it is hoped that these papers will be adopted by the remaining colleges in the state.

Therefore, you are requested to ensure the following

1. Formalities for approval of enclosed syllabus by academic council by end of Feb 2019

2. Circulate the approved syllabus to all 70 colleges under OHEPEE by end of Mar 2019

All the students of 2nd year will be taking the SECC I and II papers and the colleges have been advised to limit the class size to 64. So you are requested to offer both SECC I and II papers both in odd and even semesters so that the English and Maths faculty at the colleges are able to effectively cover the workload.

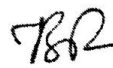Yours sincerely,

16/2/19
SPD-OHEPEE &
Joint Secretary

Memo no. 676 Dt. 16.02.19

Copy forwarded to PS to Hon'ble Minister, Higher Education for kind information of Hon'ble Minister.
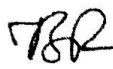
SPD-OHEPEE &
Joint Secretary

Memo no. 677 Dt. 16.02.19

Copy forwarded to PS to Commissioner-cum-Secretary, Higher Education Department for kind information of CCS.

SPD-OHEPEE &
Joint Secretary

Memo no. 678 Dt. 16.02.19

Copy to VC, OSHEC, Bhubaneswar / VCs of Utkal University, Ravenshaw University, FM University, Sambalpur University, Berhampur University, North Odisha University, Rama Devi Women's University, GM University, Khallikote University for kind information.

SPD-OHEPEE &
Joint Secretary

Government of Odisha in the Department of Higher education is in the process of revising the curriculum for undergraduate courses to ensure graduates are equipped with skills required for better employability. Accordingly, the HE department had requested all Vice Chancellors of the state Universities vide letter No-5701 dated 26.2.18 to offer two papers under General Electives (GE) which will help improve critical thinking of the students.

In pursuance of this objective, SPD cum Joint Secretary, HE department requested IAS Probationers, 2017 batch to design the template for the 2 GE papers. This will be deliberated upon by the Academic councils of the Universities for further action. As per the request, we, the undersigned discussed in detail the skill set required to improve job competency as per present trends for various competitive exams in Government and private sector. Accordingly, the content for the 60 hours input for each paper and the books required for the syllabus are annexed.

Somesh Kr. Upadhyay
IAS (P), 2017

P. Anvesha Reddy
IAS (P), 2017

DIVAKARA T.S
IAS (P), 2017

HEMA KANTA SAY
IAS(P), 2017

Ashish Ishwar Patil
IAS(P), 2017

Paper – 1

Quantitative Aptitude and Data Interpretation

Chapter 1: Number System, Simplification, Surds & Indices (10 hours)
Numbers, Rational and Irrational numbers, Real and Whole numbers, Decimal Fractions, Simplification, H.C.F. & L.C.M. of Numbers, Problems on Ages, Square Roots & Cube Roots, Surds and Indices

Chapter 2: Ratio, Percentage, Profit, Loss and Discount (5 hours)
Averages, Ratio, Proportion, Percentage, Mixture and Alligation, Profit and Loss, Discount, Partnership, Business

Chapter 3: Time speed and distance, Train, Boats and Stream (10 hours)
Time and distance Series, Time & Work, Problems on Trains, Pipes and Cistern, Problems on Boats and Streams, Heights and Distances

Chapter 4: Probability, Permutation and Combination (10 hours)
Event, Probability $P(A)$, Intersection of Events $P(A \cap B)$, Union of Events $P(A \cup B)$, Dependent Event, Independent Events, Conditional Probability, $P(A|B)$, Mutually Exclusive Events, Complement of an Event, Permutations and Combination, Sequence & Series

Chapter 5: Geometry and Mensuration (15 hours)
Angles, Area, Circles, Coordinate Geometry, Lines, Perimeter, Special Right Triangles, Pythagorean Theorem, Quadrilaterals, Polygons, Triangles, Volume, Mensuration – Cylinder, Cone, Sphere

Chapter 6: Data Interpretation (7 hours)
Data Interpretation, Tabulation, Bar Graphs, Pie Charts, Line Graphs
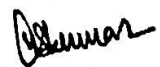
Chapter 7: Statistics (3 hours)
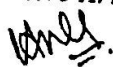Mean, Median, Mode, Variance, Standard Deviation, Range, Percentile, Quartile
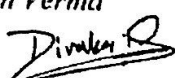

References:
Quantitative Aptitude for competitive examinations – Dr. R.S. Aggarwal
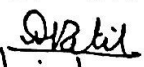*Quicker Maths - M Tyra*
Fast Track Objective Arithmetic - Rajesh Verma

SUMESH KR. UPADHYAY
EIAS (P), 2017

P. Anvesha Reddy
IAS (P), 2017

DIVAKARA T·S
IAS CP), 2017

HEMA KANTA SAY
IASCP), 2017

Ashish Patil
IASCP), 2017

Verbal Ability and Logical reasoning

Chapter 1: Verbal Ability (25 hours)

Basic Vocabulary, Basic Grammar, Reading comprehension, cloze test, sentence improvement, spotting the errors and sentence rearrangement

Chapter 2: Logical Reasoning (20 hours)

Puzzles, Seating Arrangements, Direction Sense, Blood Relation, Syllogisms, Order and Ranking, Coding-Decoding, Machine Input-Output, Inequalities, Alpha-Numeric-Symbol Series, Data Sufficiency, Logical Reasoning (Passage Inference, Statement and Assumption, Conclusion, Argument)

Chapter 3: Computer Knowledge (5 hours)

History of Computers, Introduction to Computer Organisation ,Computer Memory, Computer Hardware and I/O Devices, Computer Software, Computer Languages, Operating System, Computer Network, Internet, MS Office Suit and Short cut keys, Basics of DBMS, Number System and Conversions, Computer and Network Security

Chapter 4: General Knowledge and Current Affairs (10 hours)

References:

Verbal Ability and Logical Reasoning:

Word power made easy – Norman Lewis +
High School English Grammar and Composition – Wren & Martin
Verbal Ability and Reading Comprehension – Ajay Singh
A Modern Approach to Verbal & Non Verbal Reasoning - Dr. R. S. Aggarwal

General Knowledge:
Lucent's General Knowledge
Newspapers and Magazines

Computer Knowledge
Computer Knowledge by Arihant publication

Somesh Kr. Upadhyay
IAS (P), 2017

P. Anvesha Reddy
IAS (P), 2017

DIVAKARA T·S
IAS CP), 2017

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