UNIVERSITY OF JAMMU

CORRIGENDUM

Please read

Course Code. UCATE- 605   **Title- Basics of Internet (GE)**

Instead of

Course Code. UCATE-611   **Title- Basic of Internet (GE)**

as already notified vide notification No. F.Acd/II/20/61-104 dated 01.06.2020 in the Syllabi and Courses of Study in the subject of B.A/ B.Sc. Computer Application of **semester VI** under the **Choice Based Credit System** at the Undergraduate level **(as given in annexure)** for the examination to be held in **May 2023, 2024 and 2025**

Sd/-
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/23/ 3835-3874.
Dated: 01-06-2023

Copy for information and necessary action to:

1. Dean, Faculty of Mathematical Science
2. Convener, Board of Studies in **Computer Application**
3. Sr. P.A.to the Controller of Examinations
4. All members of the Board of Studies
5. Confidential Assistant to the Controller of Examinations
6. I/C Director, Computer Centre, University of Jammu
7. Deputy Registrar/Asst. Registrar (Conf. /Exams. UG/ Exam Eval Non-Prof)
8. Incharge, University Website for Uploading of the notification.

Deputy Registrar (Academic)

B.A./B.Sc.-SIXTH SEMESTER

Contd.

GENERIC ELECTIVE

Total Marks = 100
No. of Credits = 6
Time allotted for Major Test = 2 ½ Hrs
Examination to be held: May 2023, 2024, 2025

Internal: 20 Marks
Semester Exam: 80 marks

COURSE NO: UCATE-605
COURSE TITLE: BASICS OF INTERNET(GE)

Instructions for paper setter

The question paper will be divided into the following three sections. No question will be repeated in the question paper.

Section A
Total of 5 short answer questions (one from each Unit) shall be set and the candidates are required to answer all questions. Answer to a question should not exceed 80 words. Each question shall be of 3 marks.

(5 x 3 = 15 marks)

Section B
Total of 5 medium answer questions (one from each Unit) shall be set and the candidates are required to answer all questions. Answer to a question should not exceed 300 words. Each question shall be of 7 marks.
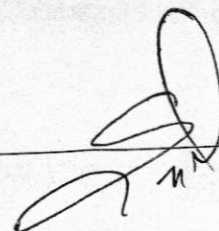
(5 x 7 = 35 marks)

Section C
It will contain five long answer questions (one from each Unit). The candidates will be required to answer any two questions. Answer to each question should not exceed 600 words. Each question shall be of 15 marks.

(2 x 15 = 30 marks)

Note: The paper setter shall ensure that the questions are uniformly distributed over entire syllabus.

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B.A./B.Sc.-SIXTH SEMESTER

GENERIC ELECTIVE

Total Marks = 100
No. of Credits = 6
Time allotted for Major Test = 2 ½ Hrs
Examination to be held: May 2023, 2024, 2025

Internal: 20 Marks
Semester Exam: 80 marks

COURSE NO: UCATE-605
COURSE TITLE: BASICS OF INTERNET(GE)

UNIT-I
Introduction to Internet, History of Internet, Applications of Internet, Connecting to Internet, Basics of internet connectivity related troubleshooting, Services of Internet, Remote Login, IRC, FTP, Archie, IRC, Newsgroups, Mailing Lists, Search Engines, Understanding URL, Named Address.

UNIT–II
Downloading and uploading, blogs, E-Mails: Email Address, Sending Emails, Sending Attachments and Replying to Emails, Forwarding Emails.Protocols, Email Protocols: SMTP (Simple Mail Transfer Protocol), POP3 (Post Office Protocol Version 3), IMAP (Internet Message Access Protocol) E-Mail Security: PGP (Pretty Good Privacy), PEM (Privacy Enhanced Mail), S/MIME (Secure/Multipurpose Internet Mail Extensions).

UNIT-III
Internet Addressing: IPv4 Addresses: Address Space, Notations, Classful and Classless Addressing, Subnetting, Subnet Mask, Network Address Translation (NAT), Gateway, Domain Name System, Proxy Server, DHCP Server, IPv6 addresses: Structure, Address Space. Comparison of IPv4 and IPv6.

UNIT-IV
Web Browser, Web Portal, Web Server, Web Site/Web Page, World Wide Web, HTTP, HTTPS, Uniform Resource Locator, Internet Service Provider, Web Security, Cookies, Firewalls, Web Applications.

UNIT-V
Introduction to HTML, Structure of HTML Program, Formatting Tags, Image Tags, Linking of Documents, List Tag, Tables Tag, Frames, Iframes, HTML Forms, Introduction to Cascading Style sheet, Defining Style, Inline Styles, Internal and External Style sheet.

SUGGESTED READINGS:

1. Andrew. S. Tannenbaum, "Computer Networks", Pearson.
2. Williams Stallings, "Data and Computer Communication", Pearson.
3. Forouzan, "Data Communication and Networking", McGraw Hill Professional Publication.
4. Douglas E. Comer, "The Internet Book", Prentice Hall.
5. Harley Hahn, "The Internet Complete Reference", TATA McGraw Hill.