

**Digitisation, Open Access and Digital Rights/Access Management**

**Time: 3 Hours**

**Full Marks: 100**

*(Answer All the questions form Group- 'A', any **four** questions from Group - 'B', any **four** questions from Group - 'C' and any **two** questions from Group - 'D')*

**Group 'A'**

**Q. No. 1 Answer all the questions, each within one or two sentences**      **Marks: 1 × 10= 10**

- (a) What are the three-primary functions of digitisation?
- (b) How many compression protocols are used for bitonal, and colour compression?
- (c) What are the different steps in the process of organising the digital image?
- (d) How many types of scanners are there?
- (e) What is the major objective of semantic digital library?
- (f) What is the purpose of client layer in digital library?
- (g) Differentiate between e-books and e-journals.
- (h) What is a cloud computing?
- (i) What are the different types of functions provided by IP Management?
- (j) What is a digital content?

**Group 'B'**

**Q. No. 2 Answer any four questions each within 100 words**      **Marks: 5 × 4= 20**

- (a) Discuss the importance of e-soudh sindhu.
- (b) What is a bit-mapped page?
- (c) What do you mean by administrative metadata?
- (d) Explain the term 'Open Access'.
- (e) How does e-journals help distance learners?
- (f) What are the differences between library automation software and digital library software?

**Group 'C'**

**Q. No. 3 Answer any four questions each within 200 words**      **Marks: 10 × 4= 40**

- (a) What are the different techniques for digitisation?
- (b) What do you mean by lossy compression?
- (c) Explain the intelligent character reorganisation in OCR technology.
- (d) Discuss the various characteristics of open access.
- (e) What is digital watermarking?
- (f) Explain the term encryption. Why is encryption used in cryptography?

**Group 'D'**

**Q. No. 4 Answer any two questions each within 300 words**      **Marks: 15 × 2= 30**

- (a) Discuss critically the various steps of the digitisation process.
- (b) Explain the four layers that interact with the end-users in the semantic digital library services.
- (c) Discuss the functional architecture of Digital Rights Management.