



(Knowledge for Development)

**KIBABII UNIVERSITY
(KIBU)
UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS
YEAR ONE SEMESTER ONE EXAMINATIONS**

**FOR DOCTOR OF PHILOSOPHY IN
(INFORMATION TECHNOLOGY)**

COURSE CODE: PIT 914

COURSE TITLE: IT AND SOCIETY

DATE: 27/11/2021

TIME: 2.00 A.M.- 5.00 P.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE AND ANY OTHER TWO (2) QUESTIONS

QUESTION ONE (COMPULSORY) [20 MARKS]

(a) Discuss Technological exploration in relation to quantitative improvements

- In :
- (i) information [2 marks]
 - (ii) Processes and [2 marks]
 - (iii) Storage capability [2 marks]

(b) Explain who are

- (i) innovators, [1 mark]
- (ii) the non-adopters, [1 mark]
- (iii) the resisters, [1 mark]
- (iv) the adapters and [1 mark]
- (v) the alienated; [1 mark]

(c) Ways through global information technology infrastructure can help address the borderless problems concerning the Millennium Goals of environmental degradation, overpopulation and refugee movements; [9 marks]

QUESTION TWO [20 MARKS]

(a) Discuss ways for using advanced information technology uniquely in

- (i) different institutional contexts, [5 marks]
- (ii) public and private in relation to societal norms, [5 marks]

(b) Discuss how do information-seeking patterns fostered by advanced information technologies authorize new voices, persons and concerns and call existing ones into question? [10 marks]

QUESTION THREE [20 MARKS]

(a) Discuss Boundary mechanisms in the New Information Society that create community, [6 marks]

(b) Discuss if online arenas displace ongoing communal activities or fill social voids. [6 marks]

(c) Discuss if technology can be reconstituted within the local context or imported without alteration; [8 marks]

QUESTION FOUR [20 MARKS]

(a) Discuss how cultural constructions of legitimacy, knowledge and authority affect developing information technologies? **[12 marks]**

(b) Discuss Ethical issues and impact which surround the use and development of information technology in society; the culture and society challenges in the development of information technology. **[8 marks]**

QUESTION FIVE [20 MARKS]

Discuss:

(a) the relationship between cognition and communications technology; **[3 marks]**

(b) The impacts of technology use:

(i) on the freedom of speech and censorship; **[3 marks]**

(ii) on information available to individuals; and **[3 marks]**

(iii) on the capacity of individuals and organizations, in order to participate in public discourse; **[3 marks]**

(c) The social and cultural barriers to and enablers for using online resources and capabilities; and the effects of new information technologies on indigenous populations. **[8 marks]**