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Question Paper Code: 59B15

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Elective

Biomedical Engineering

15UBM914 – TELEMEDICINE

(Regulation 2015)

Duration: 1.15 hrs

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Which of the following situations is not considered part of telemedicine? CO1 R
(a) Transmission of still images (b) Word processing
(c) Video conferencing (d) Remote monitoring of vital signs
2. Which of the following is not an example of Telemedicine technologies CO1- R
(a) Wireless and Broadband (b) Internet
(c) DC motors (d) Satellite Databases
3. _____ refer to the transmission of digital data between two or more CO2- R
computer.
(a) Data communication (b) Switch (c) Telephone (d) None of the above
4. Electronic document containing _____ CO2- R
(a) ASCII (b) Unit code (c) Division (d) Both a and b
5. H7 standards focus on the application layer, which is _____ CO3- R
(a) "layer 7" (b) "layer 7.5" (c) "layer 8" (d) "layer 9"
6. TCP/IP protocols focus on the application layer, which is _____ CO3- R
(a) "layer 7" (b) "layer 7.5" (c) "layer 8" (d) "layer 9"

7. Teleradiology is the transmission of radiological patient images, such as_____ CO4- R
 (a) X-rays (b) CTs (c) MRIs (d) All the above
8. _____referred as process of communication. CO4- R
 (a) Interpretation (b) Orientation (c) Relationship (d) Community
9. Legal issue is also called as? CO5- R
 (a) Interpretation (b) Court's decision (c) Issue of law (d) Issues
10. _____is considered a basic patient right. CO5- R
 (a) Interpretation (b) Communication (c) Informed consent (d) Issues

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain the functional Diagram of telemedicine. CO1- U (8)
12. Give a brief introduction about multimedia & explain its principle. CO2- U (8)
13. Discuss the protocols used by the TCP/IP Model. Compare with OSI / CO3- App (8)
 ISO.
14. State autoradiography. Explain its whole function. CO4- U (8)
15. Discuss about the Intellectual Property Rights related to telemedicine. CO5- U (8)

