

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2020

Course: Telehealth principles and practices
Program: B. Tech CS + HI
Course Code: CSEG 436

Semester: VII
Time 03 hrs.
Max. Marks: 100

Instructions: Nil

SECTION A

| S. No. | | Marks | CO |
|--------|---|-------|-----|
| 1 | True False Tele Health is in nascent stages in India. | 2 | CO2 |
| 2 | True False There are no stages of maturation of different branches in tele-health | 2 | CO1 |
| 3 | True False Remote administration of medicine is possible by utilizing tele-medicine | 2 | CO3 |
| 4 | Multiple Choice Which of the following is a standard of telemedicine: a. HL7 b. Clinical document architecture c. Continuity of care document d. All of the above | 2 | CO3 |
| 5 | True False ATA stands for American telemedicine association and it is a pioneer body in telemedicine globally. | 2 | CO2 |
| 6 | Which of the following is not the key objective of telemedicine: a. Increase availability of quality medical service to those in need b. define usage of Telemedicine technology that is appropriate to the Indian environment. c. Both of the above d. None of the above | 2 | CO2 |
| 7 | True False Surgical procedure are performed by human but supervised by Human expert sitting at a distinct place. | 2 | CO1 |
| 8 | Multiple choice question Which of the following is administrable without supervision: | 2 | CO1 |

| | | | |
|----|---|---|-----|
| | <ul style="list-style-type: none"> a. Basic medicine b. Surgery c. Dermatologist consultation d. Gynecologist consultation | | |
| 9 | <p>Telemedicine is the use of medical information exchange from one site to another via</p> <ul style="list-style-type: none"> a. Print communication b. Written communication c. Verbal communication d. Electronic communication | 2 | CO2 |
| 10 | <p>Which of the following situations is not considered part of telemedicine?</p> <ul style="list-style-type: none"> a. Remote monitoring of vital signs b. NLP processing c. Videoconferencing d. Transmission of still images | 2 | CO3 |
| 11 | <p>Telemedicine allows hospitals to optimize the use of their personnel by</p> <ul style="list-style-type: none"> a. Outsourcing all work b. Increase the cash in c. Utilize the manpower with other institutions d. None of these | 2 | CO3 |
| 12 | <p>Health workers in remote areas of the world can communicate with specialists using webcams and</p> <ul style="list-style-type: none"> a. Electrocardiograms b. Fiber optics c. Network security systems d. satellites | 2 | CO3 |
| 13 | <p>An example of mathematics being used in medicine is</p> <ul style="list-style-type: none"> a. taking an X-ray image b. Broken bone repair c. Taking a blood sample d. The mixing of prescription drug | 2 | CO2 |
| 14 | <p>_____ is the use of medical information exchanged from one site to another via electronic communications to improve patients' health status</p> <ul style="list-style-type: none"> a. Telemedicine b. Video conference c. Telehealth d. Both a and c | 2 | CO1 |
| 15 | <p>Which of the following is NOT and example of Telemedicine</p> <ul style="list-style-type: none"> a. An OT operation b. External review of X-rays c. Both of these d. None of these | 2 | CO3 |
| 16 | <p>_____ treats skin rashes at a distance.</p> <ul style="list-style-type: none"> a. Telecardiology b. Teledermatology c. Telemedicine d. Telehealth | 2 | CO1 |

| | | | |
|----|---|---|-----|
| 17 | _____ technology can link devices such as a pace maker and a cell phone. a. Satellite b. Wifi c. Bluetooth d. None of these | 2 | CO2 |
| 18 | In _____, the pathologist sees images on a monitor instead of under a microscope. a. Teleradiology b. Telepathology c. Interactive radiology d. Both b and c | 2 | CO2 |
| 19 | True false Challenges faced by telemedicine in India fall under 2 categories' | 2 | CO3 |
| 20 | When a doctor is consulted by a patient owes him certain duties. These are: a. a duty of care in deciding whether to undertake the case; b. a duty of care in deciding what treatment to give; and c. a duty of care in the administration of that treatment. d. All of these | 2 | CO1 |
| 21 | True False As per the Indian law, it is mandatory to take informed consent of Patients while administrating telemedicine | 2 | CO3 |
| 22 | As per the Indian law, which of the following are covered in issues of privacy and confidentiality: a. Right to privacy b. Privacy and doctor-patient relationship c. Code of medical ethics d. All of these | 2 | CO1 |
| 23 | True False HL7 is a standard for telemedicine | 2 | CO2 |
| 24 | True false A doctor need to take an additional license named as telemedicine professional to practice telemedicine in India. | 2 | CO3 |
| 25 | Telemedicine projects in prisons have been found to _____ a. Improve health care b. Cut costs c. Improve security d. All of the these | 2 | CO2 |
| 26 | Outdoor operating environment is prone a. Local topology b. Weather conditions c. Both a and b d. None of these | 2 | CO3 |
| 27 | Implementation of tele-health in community clinic can help in: a. Improve the quality of medical facilities for bottom of the pyramid | 2 | CO2 |

| | | | |
|------------------|---|-----------|------------|
| | <ul style="list-style-type: none"> b. Give access of superspeciality service to remote area. c. Both a and b d. None of these | | |
| 28 | <p>Which of the following are challenges faced by the e-medical practices?</p> <ul style="list-style-type: none"> a. Patient satisfaction b. Employee productivity c. Patient compliance d. All of these | 2 | CO3 |
| 29 | <p>True False</p> <p>There is no standard for accountability in tele-medicine.</p> | 2 | CO1 |
| 30 | <p>Yourdost.com deals in which of the following:</p> <ul style="list-style-type: none"> a. Emotional wellness b. Dermatology c. Remote consultation d. both a and c | 2 | CO2 |
| SECTION B | | | |
| Q7 | Analyze the telenursing services in detail with examples? | 10 | CO1 |
| Q8 | “The lack of systematic oversight of physician performance has led to some serious cases related to physician competence and behavior.” Explain the statement in detail. | 10 | CO2 |
| Q9 | <p>Elaborate the application software architecture applicable to acquisition of images and the various processing stages for communication of data in a telemedicine system?</p> <p style="text-align: center;">OR</p> <p>Why post-hospitalization is necessary and how tele-medicine aids to this?</p> | 10 | CO2 |
| Q10 | <p>Analyze the outdoor operating environment in context to Bidoli campus.</p> <p style="text-align: center;">OR</p> <p>Elaborate the delivery modes of telemedicine?</p> | 10 | CO1 |