

Class 12 Health Care Question Paper 2024 Solved

SECTION A

(Objective Type Questions) (30 Marks)

1. Answer any 4 out of the given 6 questions on employability skills. $4 \times 1 = 4$

(i) Oral communication is also known as :

- (A) Impersonal communication
- (B) Verbal communication**
- (C) Face-to-face communication
- (D) Non-verbal communication

(ii) It arises because of incentives or external rewards :

- (A) Intrinsic motivation
- (B) Extrinsic motivation**
- (C) Realistic motivation
- (D) Unrealistic motivation

(iii) Full form of CNG is :

- (A) Compressed Natural Gas
- (B) Clean Natural Gas
- (C) Combined Natural Gas
- (D) Compressed Nitrogen Gas

(iv) In the spreadsheet, you can see a worksheet with cells placed in ____ but not in ____ .

- (A) row, column
- (B) column, row
- (C) row horizontal, column vertical
- (D) row vertical, column horizontal**

(v) What is incorrect in SMART goal?

- (A) Specific
- (B) Measurable
- (C) Action-oriented
- (D) Readable time**

(vi) Which of the following is a barrier in becoming a successful entrepreneur?

- (A) Plenty of funds
- (B) Plenty of resources
- (C) Adequate entrepreneurship training
- (D) Fear of failure**

2. Answer any 5 out of the given 7 questions. $5 \times 1 = 5$

(i) Instructions given to the patients needs careful study, all teaching that occurs must be noted including reinforcement of the information already taught, that also must state patient's response. What kind of note is this?

- (A) Attendant teaching notes
- (B) Patient teaching notes**
- (C) Family teaching notes
- (D) Doctor teaching notes

(ii) Wastes contaminated with blood and other bodily fluids are called _____ waste.

- (A) infectious**
- (B) sharps
- (C) pharmaceutical
- (D) cytotoxic

(iii) _____ is a reaction to some change that upsets our balance. It is a reaction to physical or mental changes in our life.

- (A) Motivation
- (B) Stress**
- (C) Management
- (D) Skill

(iv) What includes steps taken to minimize the effects of a disaster?

- (A) Mitigation**
- (B) Preparedness
- (C) Response
- (D) Recovery

(v) Areas in this zone include dirty utility and disposal corridor. Disposal areas from operating room and connecting corridors lead to disposal zone. The connecting corridors are outside the aseptic zone. Which zone is this?

- (A) Sterile zone
- (B) Clean zone
- (C) Disposal zone**
- (D) Protective zone

(vi) Staff members dealing with Operation Theatre should be trained in the maintenance of _____.

- i. asepsis and universal precautions**
- ii. technical and non-technical skills**

iii. communication and effective interdisciplinary teamwork

iv. utmost patient care

- (A) i, ii and iii only
- (B) ii, iii and iv only
- (C) i, iii and iv only
- (D) i, ii, iii and iv**

(vii) Match the following (Column A with Column B) :

Column A

- 1. Middle-aged adult**
- 2. Old adult**
- 3. Preschool child**
- 4. Adolescent**

Column B

- (i) 3 to 5 years**
- (ii) 12 to 18 years**
- (iii) 45 to 65 years**
- (iv) 5 to 12 years**
- (v) Over 65 years**

- (A) 1-(iii), 2-(v), 3-(iv), 4-(i)
- (B) 1-(ii), 2-(iii), 3-(i), 4-(iv)
- (C) 1-(iii), 2-(v), 3-(i), 4-(ii)**
- (D) 1-(iv), 2-(iii), 3-(ii), 4-(v)

3. Answer any 6 out of the given 7 questions. 6 x 1=6

(i) Which waste can be managed by autoclaving, hydroclaving and microwaving or incineration?

- (A) Microbiological and Biotechnological waste**
- (B) Pharmaceutical waste
- (C) Infectious solid waste
- (D) Chemical waste

(ii) _____ can be defined as an intellectually disciplined process of actively and skilfully conceptualizing, applying, analyzing, synthesizing and/or evaluating information gathered from, or generalized by observation, experience, reflection, reasoning or communication, as a guide to belief or action or argument.

- (A) Critical thinking**
- (B) Creative thinking
- (C) Problem solving
- (D) Questioning

(iii) What happens when a hazard impacts a vulnerable population and causes damage, casualties and disruption?

- (A) Enjoyment
- (B) Picnic
- (C) Get-together
- (D) Disaster**

(iv) If all measures fail at relieving the retention of urine, the bladder is _____.

- (A) removed
- (B) catheterized**
- (C) tied up
- (D) sutured

(v) What is the part of medical record that documents the patient's status, reasons why the patient is admitted to the hospital?

- (A) Discharge note
- (B) Shift note
- (C) Admission note**
- (D) Transfer note

(vi) The elderly people have their own legal needs. Some of these special needs are :

- i. Maintaining rights and dignity**
- ii. Power of attorney or other financial issues**
- iii. Protection from being abused**
- iv. Protection from violence**
- v. Getting torture from family**
- vi. Lack of food and rest**

- (A) ii, iii, iv, v
- (B) i, ii, iii, iv**
- (C) iii, iv, v, vi
- (D) i, iv, v, vi

(vii) Match the following (Column A with Column B) :

Column A

(Cause)

- 1. Lack of privacy**
- 2. Lying down position**
- 3. Pain**
- 4. Spasm of bladder**

Column B

(Measure for correction)

- (i) Application of hot water bag to the lower abdomen**
- (ii) Analgesic drugs**
- (iii) Put screens around neck**
- (iv) Make the patient sit up with support**

- (A) 1-(iv), 2-(i), 3-(ii), 4-(iii)
- (B) 1-(ii), 2-(iv), 3-(i), 4-(iii)
- (C) 1-(i), 2-(iv), 3-(ii), 4-(iii)
- (D) 1-(iii), 2-(iv), 3-(ii), 4-(i)**

4. Answer any 5 out of the given 6 questions. 5 x 1=5

(i) Many older adults are confused and are not able to understand things in a clear manner. Which kind of problem is this in elderly people?

- (A) A short attention span
- (B) Less learning ability
- (C) Less ability to understand**
- (D) Inability to communicate

(ii) You probably have a lot of things to do, so assess how important and how urgent the tasks are; then make sure high-priority tasks get done first and are not put off on a regular basis. Identify the strategy of time management :

- (A) Be specific
- (B) Priorities**
- (C) Sub-tasking
- (D) Structure the environment

(iii) In which way can disposal of pharmaceutical wastes be done?

- (A) Autoclaving**
- (B) Drainage
- (C) Landfilling
- (D) Same way like general waste

(iv) Fluids like _____ are given intravenously to make up for the fluid loss during surgery and restore the fluid and electrolyte balance after surgery to the patient.

- (A) normal saline and Ringer's lactate**
- (B) glucose and lactate
- (C) glucose and sodium acetate
- (D) lactate and sodium acetate

(v) Problem-focused charting depends on assessment and problem identification first and then on _____ .

- (A) intervention and evaluation
- (B) repetition and narration
- (C) recognition and prevention
- (D) narration and prevention

(vi) Rahul is working as a part of the team that provides medical treatment to victims within the scope of their training. This task is normally accomplished in the treatment area. However, it may take place in the affected area as well. Identify the team that helps in emergency situations.

(A) Medical Treatment Team

(B) Medical Triage Team

(C) Search and Rescue Team

(D) Fire Suppression Team

5. Answer any 5 out of the given 6 questions. $5 \times 1 = 5$

(i) Tridev is working as a part of the team that searches and provides for rescue of victims, as is prudent under the conditions, and assists the Fire Suppression Team. Identify the team in which Tridev is working.

(A) Medical Treatment Team

(B) Medical Triage Team

(C) Search and Rescue Team

(D) Fire Suppression Team

(ii) Find a place, preferably one you can use regularly and with limited distractions.

Identify the strategy of time management :

(A) Be specific

(B) Structure of environment

(C) Priorities

(D) Sub-tasking

(iii) When a person gets older, the need for calories _____.

(A) increases

(B) decreases

(C) remains unchanged

(D) can increase or decrease

(iv) It involves planning to respond to a disaster. It includes plans, emergency exercises or training, and warning systems. Identify the phase of disaster management.

(A) Preparedness

(B) Mitigation

(C) Response

(D) Recovery

(v) Which of the following tests can be performed in a laboratory?

i. Liver Function Test

ii. Lipid Profile Test

iii. Complete Blood Count

iv. Magnetic Resonance Imaging

v. X-Ray

- (A) i, ii, iii
- (B) ii, iii, iv
- (C) iii, iv, v
- (D) i, iv, v

(vi) Match the categories with types of wastes :

- | | |
|---|--------------|
| 1. Recyclable contaminated waste | (i) Blue |
| 2. Human anatomical waste | (ii) White |
| 3. Sharps waste including metals | (iii) Yellow |
| 4. Glassware and metallic body implants | (iv) Red |

- (A) 1-(iv), 2-(iii), 3-(ii), 4-(i)
- (B) 1-(iv), 2-(iii), 3-(i), 4-(ii)
- (C) 1-(iii), 2-(i), 3-(iv), 4-(ii)
- (D) 1-(ii), 2-(iii), 3-(iv), 4-(i)

6. Answer any 5 out of the given 6 questions. $5 \times 1 = 5$

(i) For disposal of glassware, which category will you use?

- (A) Red
- (B) Yellow
- (C) White
- (D) Blue

(ii) Promit is studying in grade 12. He helps all his friends if they are facing any problems in their lives. He is very popular among his friends as he can solve any problem with ease. Which skill does he possess?

- (A) Critical thinking
- (B) Creative thinking
- (C) Problem solving
- (D) Questioning

(iii) What is the normal range of temperature for infants?

- (A) 98.4° F to 101.6° F
- (B) 92.8° F to 96.6° F
- (C) 97.4° F to 99.6° F
- (D) 99.4° F to 103.6° F

(iv) The _____ cycle illustrates the ongoing process by which governments, businesses, and civil society plan for and reduce the impact of disasters, react during and immediately following a disaster, and take steps to recover after a disaster has occurred.

- (A) Cost management
- (B) Friendship management
- (C) Disaster management**
- (D) Relationship management

(v) Medical documentation is important for the following purposes :

- i. Better and evidence-based care**
- ii. Accurate and fast diagnosis**
- iii. Effective communication**
- iv. Accurate and prompt diagnosis**

- (A) Only i, ii
- (B) Only ii, iii, iv
- (C) Only iii, iv
- (D) i, ii, iii, iv**

(vi) In elderly people why is it important to dry the feet and toes after every bath?

- (A) Leaving the area between the toes wet can lead to soft skin that could break down.**
- (B) Leaving the area between the toes wet can lead to vomiting in patients.
- (C) Leaving the area between the toes wet can lead to diarrhea in patients.
- (D) Leaving the area between the toes wet can lead to suffocation for patients.

SECTION B

(Subjective Type Questions) (30 Marks)

Answer any 3 out of the given 5 questions on Employability Skills. Answer each question in 20 30 words. 3x2=6

7. Listening attentively is important. Justify this statement with four reasons.

Ans:

- We listen to enjoy.
- We listen to learn.
- We listen to build and maintain relationships.
- We listen to resolve conflicts.

8. How do books and music play a vital role as a source of motivation and inspiration?

Ans: Feed the mind with positivity, read motivating books, listen to music with uplifting lyrics, watch inspiring movies, etc.

9. What is Eco-Tourism?

Eco-tourism is designed to provide visitors with an experience that highlights the importance of conserving resources, reducing waste, enhancing the natural environment, and minimizing pollution. This helps improve the public image as the visitors feel good about being in an environment-friendly place.

10. Enlist the steps to protect a spreadsheet with a password.

Ans: The steps to protect a spreadsheet are as follows.

1. Click on Tools and select Protect Spreadsheet
2. A Protect Document dialog box appears
3. Type in a password.
4. Type the same password in the Confirm textbox.
5. Click on OK.

11. Entrepreneurs must be aware of the barriers to gain entry into the industry. Explain any two barriers in becoming an entrepreneur.

Ans:

- Environmental factors such as lack of adequate resources or raw materials, non-availability of skilled labour, lack of requisite machinery, and other infrastructure etc.
- Personal barriers include self-doubt, fear of failure, and lack of motivation.

Answer any 3 out of the given 5 questions in 20 30 words each. 3x2=6

12. Write down the role of Sanitation Inspector in biomedical waste management.

Ans: The In-charge Sanitation Inspector is responsible for the implementation, monitoring, and evaluation of hospital waste management from the collection and storage of hospital waste to its final disposal. He/she attends the Hospital Waste Management Committee meetings and ensures the training of the staff. Regular in-service training and evaluation of the sanitation attendants is carried out by him/her. He/she shall also provide feedback information to the Officer In-charge of waste management in case of accidents and spills.

13. In an emergency situation, Medical Triage Team helps to rescue people. How can they help in emergency situations?

Ans: They provide Simple Triage and Rapid Treatment (START) triage for victims found at the scene, marking victims with the category of injury as per the standard operating procedures and assisting the Fire Suppression Team or Rescue Team, if needed. The START system was developed to allow first responders to triage multiple victims in 30 seconds or less based on three primary observations: Respiration, Perfusion, and Mental Status.

14. During documentation, why is it important to keep all patient's records in confidential files?

Ans: All patients' records are confidential files that require written permission from the patient for them to be copied. Information within the chart is often of a personal matter as well as legal evidence of the care provided, and should not be available to the insurance companies or third parties without the written permission of the patient. Those who

require a patient's information from records need to go through the proper channel, which varies with the policies of the hospital.

15. Enumerate two stressors that cause a stress reaction.

Ans: Some physical things that cause a stress reaction are:

- a cut, scrape, or burn on your finger
- any illness or disease

16. Name the areas of Sterile or Aseptic zone in an Operation Theatre.

Ans: Sterile/Aseptic zone includes operating rooms, which are kept sterile. This zone includes: (a) Operating room/suite in particular
(b) Scrubbing station/ room and gowning area/ room.
(c) Pre-Anesthesia room
(d) Sterile Instruments trolley area.

Answer any 2 out of the given 3 questions in 30 50 words each. 2x 3=6

17. What are medical furniture and office furniture?

Ans:

Medical Furniture: This is specified furniture for the use of patients in the operation theatres and other hospital areas. These are usually different from household furniture, specifically with regard to their fixity, mobility, cleanliness, lightweight, adjustability, with safety features. E.g., Hospital beds, hospital couches, patient transfer trolleys, storage cabinets for medicines and equipment.

Office furniture: In addition to the above, office furniture like chairs, tables, filing cabinets, almirahs, lockers, etc., is required in the rooms in the protective zone for record keeping, administrative work, etc.

18. Enumerate six points a GDA should keep in mind when communicating with elderly people.

Ans: When a GDA is communicating with an elderly patient, he/she should:

- Give the person their eyeglasses and hearing aid, if they have one
- Speak slowly and clearly while facing the person
- Keep information simple
- Use words that the person can understand
- Use pictures and large print material
- Provide enough light if the patient wants to read
- Keep sessions short
- Repeat communication as often as needed so that the patient can understand it and remember it
- Allow enough time for the patient. Some patients need more time than others

- Make sure that the area or room is quiet
- Allow the person to talk and ask questions
- Include the loved ones in the communication and instruction process.

19. Enumerate the things that upset our mental balance and cause stress reaction.

Ans: Things that upset our mental balance and cause the stress reaction are:

- driving in traffic when you are in a hurry to get to work
- having to finish caring for the patient on time
- a conflict with a family member or co-worker

Answer any 3 out of the given 5 questions in 50 80 words each. 3x 4=12

20. Enumerate the different staff who work in the OT.

Ans: The OT Staffing includes:

- Doctors: Surgeons (from various surgical specialities like General Surgery, ENT Surgery, Orthopedics Surgery, etc), Anaesthesiologists, and other ancillary medical staff like radiologists, pathologists, etc.
- Nursing staff
- OT Technicians
- Other support staff: like Store keeper, Record keeper, Nursing assistants, General Duty Assistants (GDA), sanitation staff, etc.

21. Write a short note about Admission Note and explain its importance as a part of medical documentation.

Ans: An admission note is a part of the medical record that documents the patient's status, reasons why the patient is admitted for inpatient care to a hospital, and the initial instructions for the patient's care. It is the note that acknowledges the arrival of a new patient.

The admission note usually includes the time of arrival, age, sex, and how the patient arrived, where the patient came from, medical diagnosis, chief complaint, general appearance, treatment in progress, allergies, vital signs, and notifications of the physician.

22. How can drills be beneficial?

Ans: Benefits of Drills

- Develop teamwork.
- Develop self-confidence.
- Prepare the crew for responding rapidly and effectively in an emergency situation.
- Prepare the crew to make decisions under pressure.
- Identify how procedures might be improved.
- Help the crew become familiar with the equipment and procedures, and whether they are working properly.

23. How do the hospitals and clinics generate different waste materials?

Ans: Biomedical waste is generated from biological and medical sources and activities in hospitals, clinics, healthcare organizations, veterinary hospitals, etc. The sources can be broadly grouped as follows:

- Hospital: Hospitals of all categories, like general, specialist hospitals, private, as well as public sector. Waste is generated from all departments (clinical, paraclinical, preclinical), including wards, Operation theaters, intensive care units, outpatient department, kitchen, etc.
- Clinics, including immunization clinics, maternal and child health clinics, dialysis centres, dispensaries, etc. Other Healthcare organizations, such as geriatric homes, mentally challenged centers, Support Services like blood banks, pharmacies, mortuaries, laundry, and Laboratories
- Veterinary Hospitals

24. How should the GDA take care of eyes in elderly patients?

Ans: Older persons, who have vision problems, need assistance with many activities of daily living (ADL), including dressing, walking, and eating. The need for safety, freedom from falls, and other injuries (cooking fires) is of utmost importance. Encourage older patients to have a regular, annual eye examination and use their eye drugs. The GDA should also observe and report any changes in the person's vision.

A special low vision programme helps patients use special things that help them to read, write, and do other things. For example, they may get special lighting, magnifiers, large print reading materials, computers, clocks, and watches that talk and/or have larger numbers.

BioSmartNotes