



## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(PA)-2020

Course Name – Patient Safety and Quality Management

Course Code - BPA606

( Semester VI )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Select among the following Allogenic organ transplantation means-
- |   |   |
|---|---|
| a) Transplantation from same species    | b) Transplantation from different species |
| c) Transplantation of synthesized organ | d) None of these                          |
- (ii) Select accreditation refers to one of the following:
- |                               |                                    |
|-------------------------------|------------------------------------|
| a) Making assessment          | b) Meeting predetermined standards |
| c) Making care cost effective | d) Ensuring Quality                |
- (iii) Decide when should ask the patient if the person is okay before performing CPR?
- |                             |                              |
|-----------------------------|------------------------------|
| a) Always Ask               | b) Ask once a hour           |
| c) CPR on unconscious state | d) After checking pulse rate |
- (iv) Plan-Do-Check -Act cycle is related to:
- |                |                  |
|----------------|------------------|
| a) Deming      | b) Donabedian    |
| c) Henry Gantt | d) None of these |
- (v) Select which of the Plasmodium Species is not found in India-
- |            |               |
|------------|---------------|
| a) Vivax   | b) Falciparum |
| c) Malaria | d) Ovale      |
- (vi) Which of the following is a key component of providing quality care to terminally ill patients?
- |                     |                     |
|---------------------|---------------------|
| a) Euthanasia       | b) Palliative care  |
| c) Assisted suicide | d) Active treatment |
- (vii) Tell the difference between active and passive euthanasia?
- |  |  |
|--|--|
| a) Active euthanasia involves taking deliberate steps to end a patient's life, while passive euthanasia involves withholding or withdrawing life-sustaining treatment. | b) Active euthanasia involves withholding or withdrawing life-sustaining treatment, while passive euthanasia involves taking deliberate steps to end a patient's life. |
| c) There is no difference between active and passive euthanasia.   | d) Both active and passive euthanasia involve providing treatment to prolong life.   |

- (viii) Pick which of the following option involves material and component control?
- |                             |                                 |
|-----------------------------|---------------------------------|
| a) Development of standards | b) Development of specification |
| c) Quality control          | d) Feedback                     |
- (ix) What action should you take immediately after delivering a shock with an AED?
- |  |                                     |
|--|-------------------------------------|
| a) Deliver two rescue breaths.             | b) Check the victim for a pulse.    |
| c) Start CPR again with chest compressions | d) Wait for the AED's instructions. |
- (x) Select which of the following is an example of QA?
- |                 |                     |
|-----------------|---------------------|
| a) Verification | b) Software testing |
| c) Validation   | d) Documentation    |
- (xi) Infection occurs when respiratory or salivary secretions containing pathogens such as influenza or Tb are \_\_\_\_\_ expelled from the body.
- |                         |                     |
|-------------------------|---------------------|
| a) Direct contact       | b) Indirect contact |
| c) Droplet transmission | d) Vector-borne     |
- (xii) Pick which is not a biomedical waste
- |                   |                            |
|-------------------|----------------------------|
| a) Tissue culture | b) Catheter                |
| c) Cadavers       | d) Body fluids and tissues |
- (xiii) Select for which of the following the retention of medical records is required
- |                       |                         |
|-----------------------|-------------------------|
| a) Future information | b) Medico legal purpose |
| c) None of them       | d) All of them          |
- (xiv) State that Indemnity insurance is required for
- |            |                    |
|------------|--------------------|
| a) Doctors | b) Lab technicians |
| c) Both    | d) None            |
- (xv) Select the time frame within which a medical record of discharged patient should reach Medical Record Department
- |           |          |
|-----------|----------|
| a) 36 hrs | b) 24hrs |
| c) 45hrs  | d) 48hrs |

**Group-B**

(Short Answer Type Questions)

3 x 5=15

- |  |     |
|--|-----|
| 2. Explain X-ray focal spot quality test.  | (3) |
| 3. What are the various guidelines given by WHO for safe health-care waste management?     | (3) |
| 4. As per the NABH guideline discuss who has authority for grievance handling in hospital? | (3) |
| 5. Discuss about the factors influencing the irrational drug therapy.                      | (3) |
| 6. Analyze the importance of quality assurance and Quality control in radiography.         | (3) |

**OR**

Differentiate Quality control and Quality Assurance based on critical analysis.	(3)
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**Group-C**

(Long Answer Type Questions)

5 x 6=30

- |   |     |
|---|-----|
| 7. Define goal and scope of medical ethics.                               | (5) |
| 8. Explain any 4 principles of medical ethics.                            | (5) |
| 9. Categorize the types of wastes based on BMW.                           | (5) |
| 10. Generalise the concept of Donor criteria in organ transplantation     | (5) |
| 11. Categorize and explain the 5 critical components of CPR.              | (5) |
| 12. Categorize and explain the various types of PPE and its constituents. | (5) |

**OR**

Classify the different sources of health-care wastes and explain how the hospitals handle them.	(5)
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