

# National Board of Examinations

**Question Paper Name :** DNB Palliative Medicine Paper1  
**Subject Name :** DNB Palliative Medicine Paper1  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718738654 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Role of cytochrome P450 enzymes in the metabolism of opioids. [4]
- b) Pharmacogenomics of codeine. [4]
- c) Give one example of cytochrome P450 enzyme associated drug interaction. [2]

**Question Number : 2 Question Id : 32718738655 Consider As Subjective : Yes**

- a) Physiological role of somatostatin. [2]
- b) Somatostatin analogues in management of the following in a palliative care setting:
  - i) Nausea and vomiting. [2]
  - ii) Diarrhoea. [2]
  - iii) Malignant bowel obstruction. [4]

**Question Number : 3 Question Id : 32718738656 Consider As Subjective : Yes**

- a) Neurological control of urinary bladder. [4]
- b) Sensory neurogenic bladder. [2]
- c) Reflex neurogenic bladder. [2]
- d) Motor paralytic neurogenic bladder. [2]

**Question Number : 4 Question Id : 32718738657 Consider As Subjective : Yes**

- a) Mechanisms of action of corticosteroids. [4]
- b) Role of corticosteroids in bone pain. [2]
- c) Role of corticosteroids in malignant spinal cord compression. [2]
- d) Role of corticosteroids in nausea and vomiting. [2]

**Question Number : 5 Question Id : 32718738658 Consider As Subjective : Yes**

- a) Pathophysiology of oral mucositis. [4]
- b) WHO grading of oral mucositis. [3]
- c) Oral measures in the management of mucositis. [3]

**Question Number : 6 Question Id : 32718738659 Consider As Subjective : Yes**

- a) Pathophysiological mechanisms underlying cancer cachexia. [4]
- b) Clinical assessment of cancer cachexia. [3]
- c) Drugs used in the management of cancer cachexia. [3]

**Question Number : 7 Question Id : 32718738660 Consider As Subjective : Yes**

- a) Neural pathways for pain sensation. [4]
- b) Gate control theory of pain. [3]
- c) Peripheral and central sensitisation. [3]

**Question Number : 8 Question Id : 32718738661 Consider As Subjective : Yes**

- a) Classification of prognostic tools in palliative care. [4]
- b) Palliative Prognostic Scale. [4]
- c) Two examples of disease-specific prognostic tools/scales. [2]

**Question Number : 9 Question Id : 32718738662 Consider As Subjective : Yes**

- a) Physiological mechanisms contributing to breathlessness. [3]
- b) Mechanisms through which morphine relieves breathlessness. [3]
- c) Palliative oxygen therapy. [4]

**Question Number : 10 Question Id : 32718738663 Consider As Subjective : Yes**

- a) Virchow's triad and its role in pathogenesis of venous thromboembolism. [3]
- b) Risk factors for venous thromboembolism in patients with advanced cancers. [3]
- c) Management of venous thromboembolism in the palliative care setting. [4]