

# National Board of Examinations

**Question Paper Name :** DNB Palliative Medicine Paper4  
**Subject Name :** DNB Palliative Medicine Paper4  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718733854 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) Causes of malignant hypercalcemia. [3]  
b) Approach to a patient with malignant hypercalcemia. [3]  
c) Current clinical practice guidelines for treating hypercalcemia of malignancy. [4]

**Question Number : 2 Question Id : 32718733855 Consider As Subjective : Yes**

- a) Forest plot in metanalysis. [3]  
b) Interpretation of a forest plot. [3]  
c) Four practice-changing metanalysis published in palliative medicine. [4]

**Question Number : 3 Question Id : 32718733856 Consider As Subjective : Yes**

- a) Four landmark trials on early integration of palliative care in cancer. [4]  
b) Outcomes of early integration of palliative care in cancer. [3]  
c) Facilitators/barriers for early integration of palliative care in cancer. [3]

**Question Number : 4 Question Id : 32718733857 Consider As Subjective : Yes**

- a) Electrical storm. [3]  
b) Integration with cardiology team in patients with cardiac devices at end of life. [3]  
c) Discontinuing left ventricular assist devices in a palliative care setting. [4]

**Question Number : 5 Question Id : 32718733858 Consider As Subjective : Yes**

- a) Current NCCN guidelines for the management of emotional distress. [4]
- b) Communication strategies to address spiritual distress. [3]
- c) Controversy surrounding palliative sedation in existential distress. [3]

**Question Number : 6 Question Id : 32718733859 Consider As Subjective : Yes**

- a) Evidence for Ketamine in management of depression. [3]
- b) Evidence for Dexmedetomidine for hyperactive delirium. [3]
- c) Evidence for Mirtazapine use in palliative care. [4]

**Question Number : 7 Question Id : 32718733860 Consider As Subjective : Yes**

- a) Role of point of care ultrasound (POCUS) in a palliative care setting. [4]
- b) Discuss two procedures performed using POCUS. [4]
- c) Significance of POCUS training during palliative medicine residency. [2]

**Question Number : 8 Question Id : 32718733861 Consider As Subjective : Yes**

- a) Discuss any 4 updated terminologies on the care of the dying by the ICMR. [4]
- b) ICMR guidance document on DNAR. [3]
- c) Ethical issues surrounding inappropriate CPR. [3]

**Question Number : 9 Question Id : 32718733862 Consider As Subjective : Yes**

- a) Evidence on the role of metronomic chemotherapy in a palliative care setting. [3]
- b) Four commonly used OMCT drugs in a palliative care setting. [4]
- c) Evidence from India on using OMCT in palliative setting. [3]

**Question Number : 10 Question Id : 32718733863 Consider As Subjective : Yes**

- a) The opioid epidemic in the USA and its relevance in India. [3]
- b) Opioid risk assessment tool. [3]
- c) Principles of opioid therapy in a chronic pain setting. [4]