

Syllabus	PM_IK_02, PM_IK_04, PM_IK_06
Topic	Trigeminal Neuralgia

**a)**

List the diagnostic features of trigeminal neuralgia. (5 marks)

1. ....
2. ....
3. ....
4. ....
5. ....

**b)**

List 5 differential diagnoses of trigeminal neuralgia? (5 marks)

1. ....
2. ....
3. ....
4. ....
5. ....

**c)**

Name the 3 branches of the trigeminal nerve with their corresponding exit points from the skull ? (3 marks)

	Branch	Exit point from the skull
1		
2		
3		

**d)**

Outline 7 different management strategies that can be used for trigeminal neuralgia? ( 7 marks)

1. ....

2. ....

3. ....

4. ....

5. ....

6. ....

7. ....

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Q	Answer	Mark	Guidance
a)	<ul style="list-style-type: none"> <li>• Paradoxical</li> <li>• Short lasting</li> <li>• Intense / sharp / superficial / stabbing</li> <li>• Any 2 of:- <ul style="list-style-type: none"> <li>○ Precipitated by trigger</li> <li>○ Stereotyped for an individual</li> <li>○ No neurological deficit</li> <li>○ No other cause found</li> </ul> </li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>2</p>	
b)	<ul style="list-style-type: none"> <li>• Headache disorder: eg- cluster headache</li> <li>• Dental pain eg- abscess</li> <li>• Other neuralgia eg- post herpetic neuralgia</li> <li>• Tempero-mandibular joint disorder</li> <li>• Sinusitis</li> <li>• Tumours eg-acoustic neuroma, meningioma</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>Max 5 marks</p> <p>1 mark for an example from each group.</p>
c)	<ul style="list-style-type: none"> <li>• Ophthalmic – Superior Orbital Fissure</li> <li>• Maxillary – Foramen Rotundum</li> <li>• Mandibular – Foramen Ovale</li> </ul>	<p>1</p> <p>1</p> <p>1</p>	<p>1 point for each correct pair.</p>
d)	<p><u>Pharmacological</u></p> <ul style="list-style-type: none"> <li>• Carbamazepine / Oxcarbamazepine</li> <li>• Gabapentin</li> <li>• Pregabalin</li> <li>• Amitryptilline</li> <li>• Baclofen</li> <li>• Lamotrigine</li> <li>• Phenytoin</li> </ul> <p><u>Psychological</u></p> <ul style="list-style-type: none"> <li>• CBT</li> <li>• Acceptance and commitment therapy</li> </ul> <p><u>Surgical</u></p> <ul style="list-style-type: none"> <li>• Peripheral nerve: <ul style="list-style-type: none"> <li>○ Alcohol</li> <li>○ Laser</li> </ul> </li> </ul>	<p>1 mark for each bullet point</p> <p>(Max. 7 marks)</p>	<p>Accept psychological therapies</p>

	<ul style="list-style-type: none"><li>○ Neurectomy</li><li>● Gasserian ganglion:<ul style="list-style-type: none"><li>○ RF ablation</li><li>○ Chemical ablation</li><li>○ Balloon compression.</li></ul></li><li>● Posterior fossa:<ul style="list-style-type: none"><li>○ MVD</li><li>○ Gamma knife stereotactic radiosurgery.</li></ul></li></ul>		
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References:

- 1) C K Vasappa, S Kapur, H Krovvidi. Trigeminal neuralgia. BJA Education (2016) 16(10) 353–356. <https://academic.oup.com/bjaed/article/16/10/353/2288647>