

National Board of Examinations

| | |
|--|----------------------------|
| Question Paper Name : | DNB Family Medicine Paper1 |
| Subject Name : | DNB Family Medicine Paper1 |
| Creation Date : | 2023-10-15 14:11:43 |
| Duration : | 180 |
| Share Answer Key With Delivery Engine : | No |
| Actual Answer Key : | No |

DNB Family Medicine Paper1

| | |
|--------------------------------------|------------|
| Group Number : | 1 |
| Group Id : | 3271872494 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |
| Examiner permission : | Cant View |
| Show Progress Bar? : | No |

DNB Family Medicine Paper1

| | |
|-------------------------|------------|
| Section Id : | 3271872497 |
| Section Number : | 1 |
| Section type : | Offline |

| | |
|---|------------|
| Mandatory or Optional : | Mandatory |
| Number of Questions to be attempted : | 10 |
| Section Marks : | 100 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Maximum Instruction Time : | 0 |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 3271872501 |
| Question Shuffling Allowed : | No |
| Is Section Default? : | null |

Question Number : 1 Question Id : 32718725173 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

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. Mrs. Shakila, 30-year-old female, works as a clerk in Government office. She presented to your OPD with complaints of recurrent headache for the past 2 years, 3-4 episodes per month, associated with nausea and occasional vomiting,

- What could be the cause of her headache? How do you evaluate her? [3]
- How do you classify headaches? What are the common causes? [3]
- Mention 2 drugs that cause headache. [1]
- What are the red flags in history and physical examination of headaches? [3]

Question Number : 2 Question Id : 32718725174 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

A 68-year-old male was brought to you with history of sudden onset headache and difficulty in using left upper and lower limbs since past 40 min. He was stuporous and BP- was 190//120mmHg, Power in Left UL and LL was 2/5.

- a) What is your clinical diagnosis in this patient? Mention the causes of cerebrovascular accidents. [2]
- b) How do you clinically differentiate between thrombotic and hemorrhagic strokes? [3]
- c) What are the findings on CT for a hemorrhagic stroke? [2]
- d) What are the indications of thrombolysis and what are the guidelines for administration of r-tPA? [3]

Question Number : 3 Question Id : 32718725175 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 58-years-old female presented to you with history of feeling hopelessness, tiredness for 3 months and has put on 5 kg weight, feels fatigued and drowsy:

- a) Which are the medical conditions that can mimic depression? [3]
- b) What are the criteria for a depressive episode? [3]
- c) What is the tool used as a diagnostic aid in primary care? [2]
- d) When do you refer a patient of depression to a specialist? [2]

Question Number : 4 Question Id : 32718725176 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 56-year-old male presented to OPD with complaints of swelling of feet and breathing difficulty which has been increasing over the past 8 weeks. He is a diabetic and hypertensive:

- a) What are the precipitating causes of cardiac failure? [2]
- b) What are the signs of left and right heart failure? [2]
- c) What investigations you would want to perform? [2]

d) What are the nonpharmacological and pharmacological managements? [4]

Question Number : 5 Question Id : 32718725177 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 45-year-old male daily wage labourer has presented to you with recurrent episodes of breathlessness, cough and sputum production. He has given history of smoking since he was 15 years old, till recently he had been smoking 1 pack per day:

- a) How do you differentiate between bronchial asthma and COPD? [2]
- b) Write the differences on physical examination and chest X-ray, between obstructive and restrictive lung disease. [3]
- c) What are the complications of COPD? [2]
- d) Write briefly the management of COPD. [3]

Question Number : 6 Question Id : 32718725178 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Miss Renuka had eaten prawn fry brought from outside. Suddenly she started feeling itching all over body. She developed urticarial rashes. Her PR- 122, BP- 80/45mmHg and SpO₂- 90%:

- a) What is the condition? How will you assess the patient? [3]
- b) What are the causes of her condition? [1]
- c) How will you manage her? [4]
- d) What advice will you give her to prevent it? [2]

Question Number : 7 Question Id : 32718725179 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 74-year-old woman presents for her annual physical examination and notes increasing fatigue over the past 3 months. Her history is notable for longstanding systolic hypertension. A physical

examination now demonstrates a blood pressure of 120/70 mmHg and an irregular pulse of approximately 120 bpm at rest. The patient's body mass index is 22. An electrocardiogram confirms atrial fibrillation with a ventricular response of 120 bpm and ECG suggestive of left ventricular hypertrophy. An echocardiogram done a year earlier to evaluate left ventricular hypertrophy was notable only for mild, global left ventricular dysfunction with a left ventricular ejection fraction of 40% and mild mitral regurgitation. The patient's chronic medical regimen includes lisinopril 20 mg, metoprolol XL 25 mg and 75 mg aspirin daily. A repeat echocardiogram performed in the office demonstrates an ejection fraction of 20% with global hypokinesis.

- a) What medications should be chosen to control the rate acutely? [2]
- b) What further work up is required for new onset AF? [2]
- c) Should one restore sinus rhythm or choose a strategy of rate control? [2]
- d) What are the anticoagulation requirements for this patient? [2]
- e) If the decision is made to maintain sinus rhythm after the cardioversion, what are the best medical or procedural options? [2]

Question Number : 8 Question Id : 32718725180 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 29-year-old male has come with history of painless ulcer for the past 2 weeks over the penis. On examination, there is a single nontender indurated ulcer on the penis. Inguinal lymph nodes are enlarged:

- a) List the conditions which can cause genital ulcers. [2]
- b) What serological tests should be done? [2]
- c) How will you manage this patient? [2]

2 months later, he presents with urethral discharge.

- d) What organisms cause urethral discharge? [2]
- e) How will you manage him in this visit? [2]

Question Number : 9 Question Id : 32718725181 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

A 30-year-old male presented to you with complaints of groin itching, which you diagnosed as fungal infection and you wanted to rule out diabetes and the GRBS- 297mg%:

- a) How do you confirm the diagnosis of diabetes mellitus? [1]
- b) What is the pathophysiology in type 1 and type 2 diabetes? [2]
- c) How do you manage an overweight recently diagnosed diabetic? [3]
- d) List two indications to start insulin in a diabetic? [2]
- e) How do you treat hypoglycemia in adults and neonate in a hospital setting? [2]

Question Number : 10 Question Id : 32718725182 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

A 28-year-old returned from Chennai when he presented with high grade fever, with chills and rigors:

- a) What are the differential diagnosis of fever with chills and rigors? [2]
- b) What is severe complicated malaria? [3]
- c) Write briefly about management of acute uncomplicated malaria and severe falciparum malaria. [3]
- d) Mention drug schedule for Chemoprophylaxis in chloroquine sensitive and resistant areas. [2]