

National Board of Examinations

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| Question Paper Name : | DNB Family Medicine Paper4 |
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DNB Family Medicine Paper4

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| Group Number : | 1 |
| Group Id : | 3271872497 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
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| Group Marks : | 100 |
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| Show Progress Bar? : | No |

DNB Family Medicine Paper4

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| Section Id : | 3271872500 |
| Section Number : | 1 |
| Section type : | Offline |

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|---|------------|
| 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 : | 3271872504 |
| Question Shuffling Allowed : | No |
| Is Section Default? : | null |

Question Number : 1 Question Id : 32718725203 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. Geetha presented to your OPD with two days' history of cold, cough and throat pain. OPD sister recorded a BP of 160/110mmHg which she was unaware earlier. Re-examination by you also confirmed that she has hypertension.

- What is screening? Write the difference between screening and diagnostic tests. [2]
- What are the aims of screening? [2]
- What are the types of screening - write briefly about each? [2+2]
- What is the role of Family Physician in disease prevention? [2]

Question Number : 2 Question Id : 32718725204 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 43-year-old presented with a hypopigmented patch over the face which she noticed for past 6 weeks. She also says she has mild decreased sensation over the area:

- a) How will you evaluate her? [2]
- b) How do you classify Hansen's disease? [2]
- c) What treatment regimens are recommended? [3]
- d) Write briefly on Fernandez and Mitsuda reaction. [3]

Question Number : 3 Question Id : 32718725205 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 34-year-old, mother of two children came to your OPD for generalised aches and pains, her weight is 96 Kg, and height is 154 cm.

- a) What will be her BMI? [1]
- b) How will you classify obesity as per WHO classification? [2]
- c) Write briefly on Epidemiology and etiopathogenesis of obesity. [3]
- d) What are the hazards of obesity? [2]
- e) How can you prevent obesity in the community - what level of prevention will it be? [2]

Question Number : 4 Question Id : 32718725206 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

You have been posted in a rural community health centre. You have noted that there were 32% of low-birth-weight infants among newborn children during the first quarter of 2021. You plan to determine the risk factors of low birth weight.

- a) What is the type of study design you would need to use if it has to be completed within a year of your posting and mention reasons? [3]
- b) State the objective of the study. [2]
- c) Mention the methodology of the study. [3]

d) How will you analyse the data? [2]

Question Number : 5 Question Id : 32718725207 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Ms.Shivani, an engineering student, comes to you with history of unprotected sex the previous day:

- a) What are the various methods of temporary contraception? [3]
- b) What are the contraindications of oral contraceptive pills? [2]
- c) Write briefly about Emergency Contraception. [3]
- d) What are the other conditions for which we use OCP? [2]

Question Number : 6 Question Id : 32718725208 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

You have been serving a certain geographical area, 10% of your daily OPD are diabetics, you want to evaluate how your care is for the diabetics:

- a) Describe an audit cycle and its components. [5]
- b) If you were to do an audit of diabetic control of the patients in your practice, what would you do? [5]

Question Number : 7 Question Id : 32718725209 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

There has been an outbreak of diarrheal disease in a village near the PHC that you work:

- a) Discuss how you will investigate this outbreak. [5]
- b) Describe briefly on management of acute diarrhoea according to the IMNCI guidelines. [5]

Question Number : 8 Question Id : 32718725210 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 man has presented to your health centre with fever and body pain for past four days. There was no obvious focus of infection. Clinical examination reveals an erythematous rash over the chest, trunk and extremities. Pulse rate of 120 / minute. Blood pressure was 78/60 mmHg in right upper limb. There are patients with similar presentation for the past two weeks. His investigations revealed leukopenia and thrombocytopenia; WBC count of 2800/cumm and platelet count of 63,000/cumm.

a) What are the possible differential diagnosis? How will you manage him? [5]

You heard that there are similar fever patients in the locality from the community workers.

b) How will you investigate and control this epidemic? [5]

Question Number : 9 Question Id : 32718725211 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 was found to be HIV positive during her ANC:

a) Discuss vertical transmission of HIV infection. [3]

b) What are the various modalities for prevention of vertical transmission of HIV under National AIDS Control Programme? [3]

c) Discuss the post exposure prophylaxis in HIV. [4]

Question Number : 10 Question Id : 32718725212 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 35-year-old, a daily wage labourer presented with weight loss, cough and expectoration for past 3 weeks, with evening rise of fever:

a) What are the objectives of Revised National Tuberculosis Control Programme? [2]

b) How is the diagnosis, categorization of Tuberculosis done under RNTCP? [2+2]

c) Write about the treatment regimens of Tuberculosis according to RNTCP? [4]