

# National Board of Examinations

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

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718733694 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
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Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Mrs. I is a 35-year-old house-wife and mother of four girl children. She has come to your family practice for aches and pains. She has mild anemia and depression. For the past two years, she is going to mason work as her husband is not supporting the family. Her husband is going to laborer work but spends all the money in alcohol consumption. He consumes alcohol daily and he beat Mrs. I causing physical injuries. Her first child is 14 years old and a school drop out. First child is helping the mother in the household works and taking care of the other siblings. 11 year old and 7 year old children are going to school. Last child is 5 year old and still not started schooling. All the four children are malnourished, anemic and the elder daughter is depressed.

- Draw a family genogram. [2]
- How will you assess the "functional status of the family" using family APGAR? [4]
- How will you provide family therapy for this family? [4]

**Question Number : 2 Question Id : 32718733695 Consider As Subjective : Yes**

A 30-year-old Mr. A, is working as an IT professional and he is coming to you for health check-up. You find that he is smoking 10 cigarettes per day for the past 5 years.

- What are the stages of behavior change? [5]
- How will you help Mr. A to stop smoking by non-pharmacological and pharmacological methods? [5]

**Question Number : 3 Question Id : 32718733696 Consider As Subjective : Yes**

You are working as a medical officer in a community health centre. There are two secondary schools in your community. You have been requested to provide school health service from 6th standard to 11th standard children.

- What are the health problems of school children from 10 years to 16 years of age? [4]
- How will you implement "school health service" from 6th standard to 11th standard children. Describe briefly the components, implementation and evaluation of this program? [6]

**Question Number : 4 Question Id : 32718733697 Consider As Subjective : Yes**

You are having many patients with hypertension taking treatment in your family practice. Only 50% of them are controlled with medications. Rest of them are uncontrolled even after taking regular medications. You want to study whether drug A or drug B is effective for hypertension in your population.

- a) What are the factors affecting the control of hypertension in an adult with primary hypertension? [4]
- b) How will you plan and execute a Randomized Controlled Clinical Trial (RCT) in your population? [4]
- c) What are the factors that affect the quality of an RCT? [2]

**Question Number : 5 Question Id : 32718733698 Consider As Subjective : Yes**

- a) What are the components, uses and sources of health information systems? [3+2+3]
- b) What is the difference between data and information? [2]

**Question Number : 6 Question Id : 32718733699 Consider As Subjective : Yes**

A 55-year-old post-menopausal woman, married for 28 years with two children, has come to you for management of uncontrolled diabetes. Her height is 152 cm, and her weight is 88 kg. She is a housewife with sedentary lifestyle.

- a) How will you classify obesity and what class she fits in? [2]
- b) What is the daily calories and proteins requirement to maintain her health? [2]
- c) Write a diet sheet for the patient mentioned above to control her diabetes as well as for weight loss. [3]
- d) What health promotions and preventions you suggest for her as her personal physician? [3]

**Question Number : 7 Question Id : 32718733700 Consider As Subjective : Yes**

- a) Write briefly about cold chain equipment used for the universal immunization program. [3]
- b) How do you store vaccines at district and subdistrict levels? [3]
- c) Write briefly about vaccine vial monitors. [2]
- d) Write about appropriate storage and use of diluents used for vaccines. [2]

**Question Number : 8 Question Id : 32718733701 Consider As Subjective : Yes**

- a) Mention any two commonly used scales to assess the socioeconomic status of patients/study participants in health care. [2]
- b) Describe briefly any one scale to assess the socioeconomic status. [3]
- c) What are the ways a family physician could use the socio-economic assessment to provide cost-effective health care? [5]

**Question Number : 9 Question Id : 32718733702 Consider As Subjective : Yes**

- a) What are the various occupational health hazards for healthcare workers? [5]
- b) How can you safeguard the health, safety, and well-being of healthcare workers? [5]

**Question Number : 10 Question Id : 32718733703 Consider As Subjective : Yes**

You have been appointed as a medical officer in-charge of a community health centre in a district with high incidence of malaria (both P. Vivax and P. Falciparum).

- a) How will you treat an adult with fever and blood smear positive for malaria? [5]
- b) How will you implement "malaria control" in the community served by your health center according to the national framework for malaria elimination in India? [5]