

Frequently Asked Questions (FAQs) for MSc in Medical Physics (MMP) Program July 2024

1. Question:

Who are eligible candidates?

Answer:

- Science group students of SSC and HSC having minimum CGPA 3.5 (out of 5) or equivalent and
- A four-year bachelor's degree in Medical Physics, Physics, Applied Physics and Electronics, Biomedical Engineering, Electrical & Electronic Engineering, Computer Science and Engineering, Mechanical Engineering, Materials Sciences & Engineering and relevant disciplines from University Grand Commission (UGC)-approved or recognized foreign university with minimum CGPA 2.75 (out of 4) or equivalent.

2. Question:

Which documents a candidate should have during submission of her/his application?

Answer:

Following documents are required to provide correct information,

- All academic certificates and transcripts.
- National Identification Card (NID).
- For job holder applicants, required permission letter from his organisation.
- NID/Passport
- Color Photograph
- Signature
- Bank Payment Receipt
- Permission letter from the organisation for job holder applicants

3. Question: Which items a candidate have to scan and upload along with the application?

Answer: A candidate should scan images (jpg format) of-

- Her/his passport size color photograph (image size: 500x500 px, not older than three months & background must be of one color preferably white where face should be very clearly seen)
- Signature (image size: 300x200 px) and
- Bank Deposit Receipt (image size: 500x500 px)
- Permission letter from the organisation for job holder applicants (JPEG Format, 500x500 px)

4. Question:

Which information from Bank Deposit Receipt is to be mentioned?

Answer:

- Bank batch/serial number (Maximum digit of numbers-which is to write in 1 field)
- Scroll number (without Shahbag Avenue branch, all branches Scroll number is 1-which is to write in 2nd field)
- Date of Money deposit (Select from calendar of Online system)
- Name of the Branch

5. Question: When a candidate can get her/his Admit Card?

Answer: Candidates can print Admit Card from 19 June to 29 June 2024 (upto 8.00 AM) using his/her application number & password.

6. Question: Is there any age limit for applying?

Answer:

- Yes, Maximum 45 years age as on 30 June 2024 (according to SSC certificate/NID/Passport).

7. Question: Is completion of residency mandatory?

Answer: Yes, must complete one year residency.

8. Question: How is the examination system?

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Answer: i. Multiple Choice Question (MCQ)

- ii. There will be four answers, of which one will be correct answer
- iii. Correct answer 01 (one) mark
- iv. Incorrect answer no mark
- v. No answer no mark
- vi. Two or more answer no mark

9. Question: Is there negative mark for wrong answer

Answer: Yes, negative mark (-0.25) for each wrong answer

8. Question: How many marks & how long is the examination?

Answer: I. Total Marks: 100

ii. Duration of Examination: 90 minutes

10. Question: Can two courses be studied simultaneously?

Answer: During MMP Program, no other course/ Program Should be allowed

11. About any wrong/fake information:

If any candidate provide any wrong/fake information during online form fill-up or in any stage of admission process, his/her selection/admission will be cancelled and he/she will be subjected to legal proceedings as per procedures of Bangabandhu Sheikh Mujib Medical University.

12. How could a candidate get basic idea about question types?

Answer:

Here 10 Model questions are given for basic idea about the questions type:

1. Which of the following is NOT an SI unit of measure?

- a) watt
- b) newton
- c) joule
- d) erg

2. Ultrasound is a mechanic undulation with a frequency:

- a) above 20 kHz
- b) under 16 Hz
- c) from 16 Hz to 20 kHz
- d) from 16 kHz to 20 kHz

3. A solid sphere of radius $r_1 = 20$ mm is placed concentrically inside a hollow sphere of radius $r_2 = 30$ mm as shown in figure.

The view factor F_{21} for radiation heat transfer is

- a) $2/3$
- b) $4/9$
- c) $8/27$
- d) $9/4$



4. What proportion of energy should come from fat consumption in children

- a) 55-75
- b) 45-50
- c) 30-40
- d) 15-20

5. Which of the following are valid Boolean expressions?

I. $A + AB = B$

II. $A + \overline{AB} = 1$

III. $A + \overline{AB} = A + \overline{B}$

IV. $A + AB = A + B$

a) I, IV

b) II, IV

c) I, II, I

d) II, III

6. If $f(x) = x^3 - x^2 + x - 1 = 0$, considering the initial approximation at $x = 3$, the value of first approximation correct up to one decimal place is

a) 2.1

b) 3.9

c) 4.1

d) 1.9

7. What is the CPT in ChatGPT?

a) General Purpose Talker

b) Generative Perceptual Transform

c) Google Personal Transformer

d) Generative Pretrained Transformer

8. Which of the following is an example of Stochastic effect?

a) Cataract

b) Erythema

c) Infertility

d) Genetic effect

9. The points to the central sulcus and the star points to the:

a) Foot motor area.

b) Broca's area.

c) Arm sensory area.

d) Frontal operculum.



10. Image artifacts for CT are

a. Twinkle artifacts

b. Comet tail artifacts

c. Streak artifacts

d. Mirror artifacts

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