

Which one of the following topics will be covered by Dr Ashwini Karve, Assist Prof, Dept of Pharmacology, TNMC in the session?

A. Microteaching

B. MCQ formulation

C. Large group teaching

D. Group Dynamics

B. MCQ formulation



# *Components of MCQ*

Item

Each question has four alternatives.  
Select the most appropriate answer  
and encircle the alphabet  
corresponding to it.

Direction

Which one of the following was served  
today for breakfast?

Stem

A. Upama

B. Sandwich

C. Samosa

D. Sheera

Options

Key

Distractors



# Types Of MCQs

- Single Best Response (SBR)
  - Simple Completion Type
  - Question Type
  - Negative Form Type
  - Case History Type
- Multiple Completion Type
- Independent True False Type
- Matching Type
- Assertion Reason type



# Single Best Response

Simple Completion Type  
Question Type  
Negative Form Type  
Case History Type

## **SBR: Simple Completion Type**

Direction: Each question has four alternatives. Select the most appropriate answer and encircle the alphabet corresponding to it.

The longest river in India is

A. Ganga

C. Godavari

B. Hubali

D. Narmada

## SBR: Question Type

Direction: Each question has four alternatives.

Select the most appropriate answer and encircle the alphabet corresponding to it.

Which one of the following is a green leafy vegetable?

A. Cauliflower

B. Spinach

C. French beans

D. Ladies finger



## **SBR: Negative Form Type**

Direction: Each question has four alternatives.  
Select the most appropriate answer and encircle  
the alphabet corresponding to it.

All of the following are owners of regional teams  
in Indian Premier League EXCEPT

- A. Preity Zinta      B. Vijay Mallya  
C. Anil Ambani      D. Shahrukh Khan

## **SBR: Negative Form Type**

Direction: Each question has four alternatives.  
Select the most appropriate answer and encircle  
the alphabet corresponding to it.

Which one of the following is **NOT** the owner of  
the regional team in Indian Premier League?

- A. Preity Zinta      B. Vijay Mallya  
C. Anil Ambani      D. Shahrukh Khan

## SBR: Case History Type

A 25 year old patient is brought to casualty. He is disoriented but complains of nausea, vomiting and abdominal pain. He gives history of ingestion of many pain killers. His liver function tests are abnormal. Which one of the following is indicated in this patient?

A. Naloxone

B. N-acetyl cysteine

C. Pralidoxime

D. Dimercaprol



# Multiple Completion Type

Direction: For each of the question below, one or more of the answers given are correct. Select the alphabet as per the code below and write in the space provided on answer sheet.

- A. If 1,2 and 3 are correct
- B. If 1 and 3 are correct
- C. If 2 and 4 are correct
- D. If only 4 is correct
- E. If 1,2,3 and 4 are correct

The serial produced by Balaji Telefilms is

1. Kyuki Saas Bhi Kabhi Bahu Thi
2. Kahani Ghar Ghar Ki
3. Kumkum
4. Kaun Banega Karorpati



# *Independent True False Type*

Direction: For each of the items below, the given statements are true (T) or false (F).

Put a  $\checkmark$  mark in the respective bracket

Prithviraj Kapoor is	T	F
A. father of Shashi Kapoor	[ ]	[ ]
B. grandfather of Karishma Kapoor.	[ ]	[ ]
C. son of Raj Kapoor.	[ ]	[ ]
D. uncle of Rushi Kapoor.	[ ]	[ ]



# Matching Type



Direction: Each question below consists of 3 numbered items on the left side and 5 lettered options on the right side. For each numbered item, select the most suitable lettered option. Each lettered option may be selected once, more than once, or not at all.

### Actress

1. Juhi Chawla
2. Deepika Padukone
3. Madhuri Dixit

### Movie

- A. Gulab Gang
- B. Omkara
- C. Chak De
- D. Om Shanti Om
- E. Black

# Assertion Reason type

The background of the slide is a solid dark orange color, overlaid with a pattern of stylized, semi-transparent autumn leaves in various shades of orange and brown. The leaves are scattered across the entire page, creating a textured, seasonal aesthetic.

Direction: Each question given below consists of two statements. Assertion and reason connected by the word because. Select the alphabet as per the code below.

- A. If both the statements are true and the second statement is a correct explanation of the first statement.
- B. If both the statements are true and the second statement is not correct explanation of the first statement.
- C. If the first statement is true but the second one is false.
- D. If the first statement is false but the second one is true.
- E. If both the statements are false.

Polar bear has a furred skin.

Because

Furred skin protects from cold.

The background of the slide is a solid dark brown color with a pattern of lighter brown, semi-transparent autumn leaves scattered across it. The leaves vary in size and orientation, creating a textured, seasonal feel.

What are most of the participants doing at this point of the session?

A. Day dreaming

C. Talking to each other

B. Paying attention

D. Sleeping

# Group Task



Gp 1 ----- a. Simple completion  
b. Question type

Gp 2 ----- a. Question type  
b. Negative type

Gp 3 ----- a. Negative type  
b. Case history

Gp 4 ----- a. Case history  
b. Simple completion



# Checklist

## Check List: Stem

- Clear, concise, unambiguous
- NOT/EXCEPT (not more than 10%)
- X acronym, abbreviations
- Avoid long sentences
- Remove unwanted, irrelevant data
- Should not ask your opinion
- No double negatives
- No vague expressions

## Check List: Options

- Common part in stem
- Numerical order
- Grammatically complete
- All of the above
- None of the above



## Check List: Distractors

- Student's misconception or common mistake
- Similar to key but not synonym

## Check List: Key

- Only correct answer
- Equal distribution (A, B, C, D)
- No clue to direct the key
- Is the key provided in another item?

A 47 year old male patient is seen in the medicine clinic with recently diagnosed mixed hyperlipidemia. An antihyperlipidemic is administered that favorably affects levels of VLDL, low-density lipoprotein (LDL), and high-density lipoprotein (HDL), and inhibits cholesterol synthesis. This drug in your opinion is

A. None of the above  
C. Simvastatin

B. Niacin  
D. Lovastatin

All of the following are not the VD of Digoxin  
except

A. 7-10

B. 4-7

C. 1-3

D. 10-13

Who was the Maharashtrian leader recently in controversy?

a) Raj Thackrey

b) Narayan Rane

c) Bal Thackrey

d) Vilasrao Deshmukh

If FMA score is 40, pt is classified as

a) Mild

b) mod

c) sev.

D) very sev

A positive Trendelenburg's test indicates weakness of:

a) Gluteus maximus

b) Gluteus Medius

c) Both a & b

d) none

The capsular pattern of shoulder joint is

- a) Flexion more restricted than extension
- b) External rotation more limited than abduction  
which is more limited than internal rotation
- c) Internal rotation more limited than abduction  
which more limited than external rotaion
- d) extension, abduction and rotations are equally  
limited.



Which famous pop singer is suffering from schizophrenia?

a) Michael Jackson

b) Britney Spears

c) Spice girls

d) Angelina Jolie

The background of the slide features a pattern of overlapping autumn leaves in various shades of brown and orange, creating a textured, naturalistic backdrop.

This gives red colour to the Blood

a. Platelets


b. RBC

c. WBC's

d. Plasma

When is the seventh year plan terminating in India?

- a. 1900
- b. 1997
- c. 2008
- d. 2015



# *Advantages & Limitations*

# Advantages

- Tests large sample in less time
- Easy to score and assess
- Objective, reliable and valid
- Serves as a feedback
- Covers wide portion of the syllabus

## Limitations

- Checks only recall
- Difficult to construct
- Difficult to execute
- Writing skills not checked
- Confidentiality
- Guesswork





Thank you