



GOVERNMENT MEDICAL COLLEGE, ANANTNAG

EXAMINATION: JUNIOR RESIDENT
TIME DURATION: 60 MINUTES

DATED: 16-08-2024
SERIES-A

Name of the Candidate:

Roll No.:

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING.

INSTRUCTIONS

1. Attempt all questions.
2. Each question has one right answer, tick (√) the most appropriate option on the question booklet.
3. All questions carry equal marks.
4. There will be no negative marking, so do not leave any question unattended.
5. Do not use pencil to mark your answer, use only Black/Blue Pen.
6. Any questions with overwriting or correction or with a tick mark (√) on two or more options will be considered as incorrect.
7. Any candidate found to use any unfair means will be barred from sitting in any future examinations conducted by GMC Anantnag.
8. The answer sheet will be considered as invalid if not duly signed by the candidate and the Examination Supervisor along the date.
9. Use of any electronic gadgets viz mobile phones, digital watch, wired/wireless headphones, calculators etc. is strictly prohibited. If anyone found with the same shall lead to the cancellation of his/her candidature and barring from future examinations.



.....
Signature of Candidate

.....
Signature of Invigilator

- Q1. Graft taken from identical twin is called as
- Autograft
 - Allograft
 - Isograft
 - Xenograft
- Q2. Which type of descriptions of ulcer edges denotes malignancy?
- Sloping
 - Punched out
 - Overhanging
 - Rolled
- Q3. Charcot's triad consists of
- Pain, stones and jaundice
 - Fever, stones and pain
 - Pain fever and jaundice
 - Fever, jaundice and vomiting
- Q4. Meckel's diverticulum is a remnant of
- Allantoic mesoderm
 - Vitello intestinal duct
 - Ventral mesogastrium
 - Ductus arteriosus
- Q5. Which of the following has important role in initiation and maintenance of primitive streak?
- FGF-8
 - BMP-4
 - EGRF
 - Nodal gene
- Q6. Which of the following is not pierced during pleural tapping?
- Internal intercostals
 - External intercostals
 - Costal pleura
 - Pulmonary pleura
- Q7. Thoracic duct is also known as
- Hensen's duct
 - Stenson's duct
 - Pecquet's duct
 - Santorin duct
- Q8. What is recommended agent for anaesthesia in a patient with severe obstructive sleep apnea?

- a. Propfol
- b. Dexmedetomidine
- c. Ketamine
- d. Sevoflurane

Q9. Which of the following is a cardiac reflex that helps regulate heart rate?

- a. Baroreceptor reflex
- b. Chemoreceptor reflex
- c. Bezold-Jarisch reflex
- d. Brainbridge reflex

Q10. A patient reports seeing people who are not there. This is an example of

- a. Visual hallucinations
- b. Delusion
- c. Illusion
- d. None of the above

Q11. Which of the following conditions is associated with induced vomiting after eating?

- a. Anorexia nervosa
- b. Cachexia
- c. Bulimia nervosa
- d. Hyporexia

Q12. The term 'euthymia' refers to

- a. Elevated mood
- b. Depressed mood
- c. Normal mood
- d. Both A and C

Q13. IQ is

- a. $\text{Mental age} / \text{chronological age} * 100$
- b. $\text{Chronological age} / \text{mental age} * 100$
- c. $\text{Mental age} + \text{chronological age} / \text{mental age} * 100$
- d. $\text{Mental age} + \text{chronological age} / \text{chronological age} * 100$

Q14. Preoccupation with an illness implies

- a. Somatisation
- b. Obsession
- c. Hypochondriasis
- d. None of the above

Q15. All are true about Grommet insertion except

- a. May be used in atelectatic ear
- b. Done in serous otitis media
- c. Myringotomy is not required

- d. Inserted in the antero inferior quadrant

Q16. What is the size of tympanic membrane?

- a. 70 mm²
- b. 80 mm²
- c. 90 mm²
- d. 100 mm²

Q17. Adenoidectomy is contraindicated in

- a. Large adenoids
- b. Large tonsils
- c. Cleft lip
- d. Cleft palate

Q18. Severe External Otitis caused by Pseudomonas is also known as

- a. Glue ear
- b. Malignant Otitis Externa
- c. Telephonist's ear
- d. ASOM

Q19. World Health Organisation has recommended a control strategy for TB known as

- a. DOTS
- b. Gene therapy
- c. TBP
- d. MCT

Q20. Asthma is caused due to inflammation of

- a. Bronchi and bronchioles
- b. Alveoli
- c. Trachea
- d. Pharynx

Q21. Gohn's focus is usually

- a. Subpleural
- b. Peribronchial
- c. Apical
- d. In lymphnode

Q22. What is the appropriate dose of montelukast in patients aged 15 and older with asthma?

- a. 5mg/day
- b. 4mg/day
- c. 10mg/day
- d. 20mg/day

Q23. The preferred imaging modality for the diagnosis of brain tumours is

- a. MRI
- b. CT
- c. PET
- d. Radiographs

Q24. What tumour marker can be used for ovarian cancer?

- a. PSA
- b. CA-125
- c. CEA
- d. CA-19-9

Q25. Pathologically, the presence of _____ indicates a Hodgkin's disease diagnosis.

- a. P-53 mutation
- b. Reed-Sternberg cells
- c. NK cells
- d. Granular lymphocytes

Q26. Which histology is the most aggressive thyroid cancer?

- a. Anaplastic
- b. Papillary
- c. Follicular
- d. Medullary

Q27. Snow storm appearance of the lungs fields is seen in

- a. Anthracosis
- b. Byssinosis
- c. Asbestosis
- d. Silicosis

Q28. NIKSHAY is case and web based IT system used for

- a. Measles surveillance
- b. Polio surveillance
- c. TB surveillance
- d. None of the above

Q29. Scar endometriosis can occur following

- a. LSCS
- b. Hysterectomy
- c. Episiotomy
- d. All of the above

Q30. In the development of oocyte, when does the second meiotic division occurs

- a. At birth

- b. At fertilization
- c. Before fertilization
- d. At menarche

Q31. Best time to give anti-D to a pregnant patient

- a. 12 weeks
- b. 28 weeks
- c. 36 weeks
- d. After delivery

Q32. Which is a 'soft steroid' used in bronchial asthma?

- a. Budesonide
- b. Dexamethasone
- c. Ciclesonide
- d. Flunisolide

Q33. Extended spectrum beta lactamases(ESBLs) are characterized by activity against all except

- a. Penicillinases
- b. Cephalosporinases
- c. Oxymino-cephalosporinases
- d. Carbapenems

Q34. Low apparent volume of distribution of a drug indicates that

- a. Drug has low half life
- b. Drug has low bioavailability
- c. Drug has low efficacy
- d. Drug is not extensively distributed to tissues

Q35. 'Store in a cool place' is written on a drug label. It means drug should be stored at a temperature of

- a. -2 deg Celsius
- b. 0 deg Celsius
- c. 2 – 8 deg Celsius
- d. 8 – 15 deg Celsius

Q36. In iridocyclitis the pupil is

- a. Dilated
- b. Constricted
- c. Constricted and irregular
- d. No change in size of pupil

Q37. Depth of anterior chamber of the eye

- a. 2-3 mm
- b. 3-4 mm

- c. 4-5 mm
- d. 5-6 mm

Q38. Isochromatic charts are used for

- a. Contrast sensitivity
- b. Testing colour vision
- c. Visual fields charting
- d. Visual acuity testing

Q39. Pilocarpine is used in all of the following except

- a. Primary, open angle glaucoma
- b. Malignant glaucoma
- c. Acute angle closure glaucoma
- d. Chronic synechial angle closure glaucoma

Q40. Reticulocyte count in a newborn is:

- a. 1-2 %
- b. 2-6%
- c. 6-10%
- d. 10-20%

Q41. A lesion of wernickes area in the categorical hemisphere causes the patient to

- a. Short term memory loss
- b. Speak in slow halting voice
- c. Talk rapidly but make little sense.
- d. Losses the ability to recognise faces

Q42. Aldosterone exerts its greatest effect on:

- a. Proximal tubule.
- b. Loop of henle
- c. Distal tubule
- d. Cortical collecting ducts

Q43. Which of these does not promote platelet aggregation?

- a. ADP
- b. Thrombin
- c. Nitric oxide
- d. Fibrinogen

Q44. Which of the following is not an antigen-presenting cell?

- a. Macrophage
- b. Dendritic cell
- c. B-cell
- d. T-cell

Q45. Which of the following theories does not explain referred pain?

- a. Dermatomal theory
- b. Facilitation theory
- c. Gate control theory
- d. Convergence theory

Q46. Which bone forms the lower part of the cranium and contains the foramen magnum, through which the spinal cord passes?

- a. Parietal bone
- b. Occipital bone
- c. Temporal bone
- d. Sphenoid bone

Q47. What is the most common presenting symptom of Parkinson's disease?

- a. Visual hallucinations
- b. Memory loss
- c. Dizziness
- d. Tremors

Q48. Which of the following lab test is used to determine if patients have a blood clotting condition?

- a. INR
- b. D-Dimer
- c. aPTT
- d. all of the above

Q49. A patient is on long term 'Nitrofurantoin' as prophylaxis against urinary tract infections. What adverse effect would you be concerned about?

- a. Lung disease
- b. Vascular disease
- c. Skin disease
- d. Renal disease

Q50. Clostridium difficile diarrhoea may be associated with which of the following?

- a. Malabsorption
 - b. Intestinal obstruction
 - c. Toxic dilation and colonic perforation
 - d. Colonic haemorrhage
-



GOVERNMENT MEDICAL COLLEGE, ANANTNAG

EXAMINATION: JUNIOR RESIDENT
TIME DURATION: 60 MINUTES

DATED: 16-08-2024
SERIES: B

Name of the Candidate:

Roll No:

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING.

INSTRUCTIONS

1. Attempt all questions.
2. Each question has one right answer, tick (✓) the most appropriate option on the question booklet.
3. All questions carry equal marks.
4. There will be no negative marking, so do not leave any question unattended.
5. Do not use pencil to mark your answer, use only Black/Blue Pen.
6. Any questions with overwriting or correction or with a tick mark (✓) on two or more options will be considered as incorrect.
7. Any candidate found to use any unfair means will be barred from sitting in any future examinations conducted by GMC Anantnag.
8. The answer sheet will be considered as invalid if not duly signed by the candidate and the Examination Supervisor along the date.
9. Use of any electronic gadgets viz mobile phones, digital watch, wired/wireless headphones, calculators etc. is strictly prohibited. If anyone found with the same shall lead to the cancellation of his/her candidature and barring from future examinations.



.....
Signature of Candidate

.....
Signature of Invigilator

- Q1. Which histology is the most aggressive thyroid cancer?
- Anaplastic
 - Papillary
 - Follicular
 - Medullary
- Q2. Snow storm appearance of the lungs fields is seen in
- Anthracois
 - Byssinosis
 - Asbestosis
 - Silicosis
- Q3. NIKSHAY is case and web based IT system used for
- Measles surveillance
 - Polio surveillance
 - TB surveillance
 - None of the above
- Q4. Scar endometriosis can occur following
- LSCS
 - Hysterectomy
 - Episiotomy
 - All of the above
- Q5. In the development of oocyte, when does the second meiotic division occurs
- At birth
 - At fertilization
 - Before fertilization
 - At menarche
- Q6. Best time to give anti-D to a pregnant patient
- 12 weeks
 - 28 weeks
 - 36 weeks
 - After delivery
- Q7. Which is a 'soft steroid' used in bronchial asthma?
- Budesonide
 - Dexamethasone
 - Ciclesonide
 - Flunisolide
- Q8. Extended spectrum beta lactamases(ESBLs) are characterized by activity against all except

- a. Penicillinases
- b. Cephalosporinases
- c. Oxymino-cephalosporinases
- d. Carbapenems

Q9. Low apparent volume of distribution of a drug indicates that

- a. Drug has low half life
- b. Drug has low bioavailability
- c. Drug has low efficacy
- d. Drug is not extensively distributed to tissues

Q10. 'Store in a cool place' is written on a drug label. It means drug should be stored at a temperature of

- a. -2 deg Celsius
- b. 0 deg Celsius
- c. 2 - 8 deg Celsius
- d. 8 - 15 deg Celsius

Q11. In iridocyclitis the pupil is

- a. Dilated
- b. Constricted
- c. Constricted and irregular
- d. No change in size of pupil

Q12. Depth of anterior chamber of the eye

- a. 2-3 mm
- b. 3-4 mm
- c. 4-5 mm
- d. 5-6 mm

Q13. Isochromatic charts are used for

- a. Contrast sensitivity
- b. Testing colour vision
- c. Visual fields charting
- d. Visual acuity testing

Q14. Pilocarpine is used in all of the following except

- a. Primary, open angle glaucoma
- b. Malignant glaucoma
- c. Acute angle closure glaucoma
- d. Chronic synechial angle closure glaucoma

Q15. Reticulocyte count in a newborn is

- a. 1-2 %
- b. 2-6%

- c. 6-10%
- d. 10-20%

Q16. A lesion of wernickes area in the categorical hemisphere causes the patient to

- a. Short term memory loss
- b. Speak in slow halting voice
- c. Talk rapidly but make little sense
- d. Losses the ability to recognise faces

Q17. Aldosterone exerts its greatest effect on

- a. Proximal tubule
- b. Loop of henle
- c. Distal tubule
- d. Cortical collecting ducts

Q18. Which of these does not promote platelet aggregation?

- a. ADP
- b. Thrombin
- c. Nitric oxide
- d. Fibrinogen

Q19. Which of the following is not an antigen-presenting cell?

- a. Macrophage
- b. Dendritic cell
- c. B-cell
- d. T-cell

Q20. Which of the following theories does not explain referred pain?

- a. Dermatomal theory
- b. Facilitation theory
- c. Gate control theory
- d. Convergence theory

Q21. Which bone forms the lower part of the cranium and contains the foramen magnum, through which the spinal cord passes?

- a. Parietal bone
- b. Occipital bone
- c. Temporal bone
- d. Sphenoid bone

Q22. What is the most common presenting symptom of Parkinson's disease?

- a. Visual hallucinations
- b. Memory loss
- c. Dizziness
- d. Tremors

Q23. Which of the following lab test is used to determine if patients have a blood clotting condition?

- a. INR
- b. D-Dimer
- c. aPTT
- d. all of the above

Q24. A patient is on long term 'Nitrofurantoin' as prophylaxis against urinary tract infections. What adverse effect would you be concerned about?

- a. Lung disease
- b. Vascular disease
- c. Skin disease
- d. Renal disease

Q25. Clostridium difficile diarrhoea may be associated with which of the following?

- a. Malabsorption
- b. Intestinal obstruction
- c. Toxic dilation and colonic perforation
- d. Colonic haemorrhage

Q26. Graft taken from identical twin is called as

- a. Autograft
- b. Allograft
- c. Isograft
- d. Xenograft

Q27. Which type of descriptions of ulcer edges denotes malignancy?

- a. Sloping
- b. Punched out
- c. Overhanging
- d. Rolled

Q28. Charcot's triad consists of

- a. Pain, stones and jaundice
- b. Fever, stones and pain
- c. Pain fever and jaundice
- d. Fever, jaundice and vomiting

Q29. Meckel's diverticulum is a remnant of

- a. Allantoic mesoderm
- b. Vitello intestinal duct
- c. Ventral mesogastrium
- d. Ductus arteriosus

Q30. Which of the following has important role in initiation and maintenance of primitive streak?

- a. FGF-8
- b. BMP-4
- c. EGRF
- d. Nodal gene

Q31. Which of the following is not pierced during pleural tapping?

- a. Internal intercostals
- b. External intercostals
- c. Costal pleura
- d. Pulmonary pleura

Q32. Thoracic duct is also known as

- a. Hensen's duct
- b. Stenson's duct
- c. Pecquet's duct
- d. Santorin duct

Q33. What is recommended agent for anaesthesia in a patient with severe obstructive sleep apnea?

- a. Propfol
- b. Dexmedetomidine
- c. Ketamine
- d. Sevoflurane

Q34. Which of the following is a cardiac reflex that helps regulate heart rate?

- a. Baroreceptor reflex
- b. Chemoreceptor reflex
- c. Bezold-Jarisch reflex
- d. Brainbridge reflex

Q35. A patient reports seeing people who are not there. This is an example of

- a. Visual hallucinations
- b. Delusion
- c. Illusion
- d. None of the above

Q36. Which of the following conditions is associated with induced vomiting after eating?

- a. Anorexia nervosa
- b. Cachexia
- c. Bulimia nervosa
- d. Hyporexia

Q37. The term 'euthymia' refers to

- a. Elevated mood
- b. Depressed mood
- c. Normal mood
- d. Both A and C

Q38. IQ is

- a. Mental age/ chronological age * 100
- b. Chronological age/ mental age * 100
- c. Mental age + chronological age/ mental age * 100
- d. Mental age + chronological age/ chronological age * 100

Q39. Preoccupation with an illness implies

- a. Somatisation
- b. Obsession
- c. Hypochondriasis
- d. None of the above

Q40. All are true about Grommet insertion except

- a. May be used in atelectatic ear
- b. Done in serous otitis media
- c. Myringotomy is not required
- d. Inserted in the antero inferior quadrant

Q41. What is the size of tympanic membrane?

- a. 70 mm²
- b. 80 mm²
- c. 90 mm²
- d. 100 mm²

Q42. Adenoidectomy is contraindicated in

- a. Large adenoids
- b. Large tonsils
- c. Cleft lip
- d. Cleft palate

Q43. Severe External Otitis caused by Pseudomonas is also known as

- a. Glue ear
- b. Malignant Otitis Externa
- c. Telephonist's ear
- d. ASOM

Q44. World Health Organisation has recommended a control strategy for TB known as

- a. DOTS
- b. Gene therapy
- c. TBP

d. MCT

Q45. Asthma is caused due to inflammation of

- a. Bronchi and bronchioles
- b. Alveoli
- c. Trachea
- d. Pharynx

Q46. Gohn's focus is usually

- a. Subpleural
- b. Peribronchial
- c. Apical
- d. In lymphnode

Q47. What is the appropriate dose of montelukast in patients aged 15 and older with asthma?

- a. 5mg/day
- b. 4mg/day
- c. 10mg/day
- d. 20mg/day

Q48. The preferred imaging modality for the diagnosis of brain tumours is

- a. MRI
- b. CT
- c. PET
- d. Radiographs

Q49. What tumour marker can be used for ovarian cancer?

- a. PSA
- b. CA-125
- c. CEA
- d. CA-19-9

Q50. Pathologically, the presence of _____ indicates a Hodgkin's disease diagnosis.

- a. P-53 mutation
 - b. Reed-Sternberg cells
 - c. NK cells
 - d. Granular lymphocytes
-

ANSWER KEY

SERIES-A

QUESTION	ANSWER	QUESTION	ANSWER
1	C	26	A
2	D	27	D
3	C	28	C
4	B	29	D
5	D	30	B
6	D	31	B
7	C	32	C
8	B	33	D
9	D	34	D
10	A	35	D
11	C	36	C
12	C	37	A
13	A	38	B
14	C	39	B
15	C	40	B
16	C	41	D
17	D	42	D
18	B	43	C
19	A	44	D
20	A	45	C
21	A	46	B
22	C	47	D
23	A	48	B
24	B	49	A
25	B	50	C

[Handwritten Signature]
16/08/24
Principal
GOVERNMENT MEDICAL COLLEGE ANANTNAG + GOVERNMENT

ANSWER KEY

SERIES-B

QUESTION	ANSWER	QUESTION	ANSWER
1	A	26	C
2	D	27	D
3	C	28	C
4	D	29	B
5	B	30	D
6	B	31	D
7	C	32	C
8	D	33	B
9	D	34	D
10	D	35	A
11	C	36	C
12	A	37	C
13	B	38	A
14	B	39	C
15	B	40	C
16	D	41	C
17	D	42	D
18	C	43	B
19	D	44	A
20	C	45	A
21	B	46	A
22	D	47	C
23	B	48	A
24	A	49	B
25	C	50	B

