

UPSC CMS 2022 Question Paper with Answers

PAPER 2

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1. Mycetoma, a chronic, specific, granulomatous, destructive disease, involving the skin and subcutaneous tissue

- (a) is a blood-borne infection
- (b) involves the superficial structure only
- (c) maybe caused by fungi or bacteria
- (d) frequently causes trophic changes

(c) maybe caused by fungi or bacteria

2. Which of the following statements is correct regarding Burger's disease?

- 1. It involves small to medium arteries.
- 2. It is common in smokers.
- 3. It commonly involves lower limb vessels.
- 4. Cessation of smoking reverses the disease process.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

3. The most difficult area to visualise using duplex scanning (B-mode ultrasound), especially in an obese patient, is

- (a) carotid vessels
- (b) abdominal aorta above renal vessels
- (c) aortoiliac segment
- (d) iliofemoral segment

(c) aortoiliac segment

4. Which of the following vital structures in the axilla should always be preserved in modified radical mastectomy?

- 1. Axillary vein
- 2. Nerve to serratus anterior

3. Nerve to latissimus dorsi
4. Intercostobrachial nerves

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

5. The most common metabolic abnormality associated with gastric outlet obstruction is

- (a) hypochloremic acidosis
- (b) hypochloremic alkalosis
- (c) hyperchloremic alkalosis
- (d) hyperchloremic acidosis

(b) hypochloremic alkalosis

6. The gold standard for the diagnosis of GORD (Gastro-Oesophageal Reflux Disease) is

- (a) upper GI endoscopy
- (b) barium meal follow-through
- (c) 24-hour pH recording
- (d) CT scan

(c) 24-hour pH recording

7. Which of the following factors predispose to the development of incisional hernia?

1. Malnutrition
2. Postoperative wound infection
3. Non-absorbable suture material
- 4 Immunocompromised patient

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

8. Which of the following statements regarding papillary thyroid cancer are correct?

1. It is the most common malignant tumour of the thyroid gland.
2. It is more common in young females

3. It has a propensity for haematogenous spread.
4. Distant metastases are uncommon.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(d) 1, 2 and 4

9. Which of the following statements about peptic ulcers is correct?

- (a) The most common location is the third part of the duodenum.
- (b) It is more commonly seen in females.
- (c) There is no risk of malignancy in gastric ulcers.
- (d) Anteriorly located duodenal ulcers are more prone to perforation.

(d) Anteriorly located duodenal ulcers are more prone to perforation.

10. Which of the following statements regarding the annular pancreas are correct?

1. It results from the failure of rotation of the dorsal pancreatic bud during development.
2. A ring of pancreatic tissue surrounds the second or third part of the duodenum.
3. It presents with vomiting due to duodenal obstruction.
4. Duodenoduodenostomy is the preferred treatment for this condition.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 2 and 4
- (d) 1, 3 and 4

(b) 2, 3 and 4

11. Which of the following scoring systems are used for assessing the severity of acute pancreatitis?

1. Ranson and Glasgow score
2. APACHE score
3. MELD score
4. Modified Marshall Score

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4

(d) 2, 3 and 4

(b) 1, 2 and 4

12. Which of the following statements regarding a patient of liver trauma are correct?

1. The liver is the most common organ injured following abdominal trauma.
2. Surgical exploration (laparotomy) is required in hemodynamically unstable patients and patients with free intraperitoneal fluid on FAST.
3. Contrast-enhanced CT abdomen should be done in haemodynamically stable patients.
4. Blunt injuries have a higher mortality as compared to penetrating injuries.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(b) 2, 3 and 4

13. The least marked function of a human spleen is

- (a) immune function
- (b) filter function
- (c) pitting function
- (d) reservoir function

(d) reservoir function

14. Which of the following are the causes of retroperitoneal fibrosis?

1. Continuous Ambulatory Peritoneal Dialysis (CAPD)
2. Lymphoma
3. Drugs
4. Carcinoid tumours

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(d) 2, 3 and 4

15. The most common brain tumour in an adult is

- (a) cerebral metastasis
- (b) glioma

- (c) pituitary tumour
- (d) vestibular schwannoma

(a) cerebral metastasis

16. Which of the following are included in the triad of presentation of brain tumours?

- 1. Raised ICP
- 2. Seizures
- 3. Anopia
- 4. Focal Deficit

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

17. Triaging is done to prioritise the treatment in case of trauma and the patients are colour-coded. The yellow colour code signifies

- (a) urgent
- (b) immediate
- (c) non-urgent
- (d) unsalvageable

(a) urgent

18. A 6-year-old boy has a recurrent history of pain and swelling below his left ear, which generally lasts for 3-7 days and improves mildly after a course of antibiotics. Sialography shows punctate sialectasis. He should be treated by

- (a) prolonged antibiotics bolus doses
- (b) endoscopic washouts and antibiotics
- (c) total conservative parotidectomy
- (d) radiotherapy

(b) endoscopic washouts and antibiotics

19. Hypotension in an unconscious head injury patient is most commonly due to

- (a) pontine haemorrhage
- (b) extradural haemorrhage
- (c) intracerebral haemorrhage
- (d) associated injuries of the abdomen or chest

(d) associated injuries of the abdomen or chest

20. Preoperative investigations done prior to surgery depend upon which of the following?

1. Type of surgery
2. Patient origin
3. Patient comorbidities
4. Experience of surgeon

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

21. Which of the following are included in Grade I acute cholecystitis as per Tokyo Consensus Guidelines for Severity?

1. Elevated white cell count more than 18000/mm³
2. Renal dysfunction
3. Duration > 72 hours
4. Marked local inflammation

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

22. The maximum tensile strength that a wound can reach after healing is complete, in comparison to normal skin, is

- (a) 20%-30%
- (b) 30%-50%
- (c) 50%-60%
- (d) 60%-80%

(d) 60%-80%

23. The most common site for development of a pressure sore (in debilitated patients) is

- (a) heel
- (b) occiput

- (c) ischium
- (d) greater trochanter

(c) ischium

24. Which of the following are included in triple assessment in the case of the breast?

1. Clinical assessment
2. Radiological assessment
3. Histopathological assessment
4. Sentinel lymph node biopsy

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

25. Which of the following are the extraintestinal manifestations of Crohn's disease related to disease activity?

1. Amyloidosis
2. Pyoderma gangrenosum
3. Primary sclerosing cholangitis
4. Arthropathy

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

26. Which one of the following is correct regarding Gastrointestinal Stromal Tumour (GIST)?

- (a) It arises from the epithelial layer.
- (b) The male to female ratio is 9: 1
- (c) 50% arise from stomach.
- (d) Lymphatic spread is seen commonly

(c) 50% arise from stomach.

27. Which of the following are used in the treatment of achalasia?

1. Botulinum toxin

2. Beta-blockers
3. Pneumatic dilation
4. Heller's myotomy

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

28. Which of the following are the intraoperative features of a viable small bowel?

1. Visible peristalsis
2. Flabby intestinal musculature
3. Shiny appearance of small bowel wall
4. Visible pulsation in the mesenteric artery

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

29. Which of the following statements regarding peptic ulcers are correct?

1. Duodenal ulcers are more common as compared to gastric ulcers.
2. Helicobacter pylori and NSAIDs are the most common causative agents.
3. Bleeding is the most common complication associated with posterior duodenal ulcers.

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

(d) 1, 2 and 3

30. Which of the following statements is correct with regard to Budd-Chiari syndrome?

1. Venous drainage by of liver is occluded by hepatic vein thrombosis
2. It most commonly affects the young males.
3. It is associated with protein C, protein S and antithrombin III deficiency.

4. Abdominal discomfort and ascites are the most common features associated with acute thrombosis

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(c) 1, 3 and 4

31. Which of the following are included in the Ranson scoring system to predict the severity of acute pancreatitis at the time of admission?

- 1. WBC count $> 15 \times 10^8 /L$
- 2. Blood glucose $> 200 \text{ mg/dL}$
- 3. LDH $> 350 \text{ units/L}$
- 4. AST $> 250 \text{ units/L}$

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(b) 2, 3 and 4

32. Cystic fibrosis involves which of the following organs?

- 1. Lungs
- 2. Liver
- 3. Pancreas
- 4. Kidney

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(a) 1, 2 and 3

33. The commonest variety of peritoneal metastasis is

- (a) discrete nodules
- (b) plaques of varying sizes
- (c) diffuse adhesion

(d) drop metastasis in the pelvis

(a) discrete nodules

34. When the hernia extends between the layers of abdominal wall muscles and not directly through them, it is called

- (a) Richter's hernia
- (b) Spigelian hernia
- (c) Amyand's hernia
- (d) Littre's hernia

(b) Spigelian hernia

35. Which of the following are tension-free inguinal hernia repairs?

- 1. Stoppa's repair
- 2. Lichtenstein's repair
- 3. Laparoscopic TEP repair
- 4. Desarda's repair

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(d) 1, 2 and 4

36. Which of the following is correct with regard to lung cancer?

- 1. Surgical resection has a limited role in curative treatment of lung cancer.
- 2. The pattern of disease and prognosis of oat cell carcinoma are different to other varieties in the lungs.
- 3. Small cell lung cancer is a type of Neuroendocrine Tumour (NET)
- 4. Squamous cancer appears as a cavitating tumour in the lungs

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2, 3 and 4 only
- (c) 3 and 4 only
- (d) 1, 2, 3 and 4

(b) 2, 3 and 4 only

37. Which of the following is true about epidermal cysts?

- 1. It is lined by stratified squamous epithelium.

2. It is derived from hair follicles.
3. It is also called a sebaceous cyst.
4. It is not fixed to the skin.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(a) 1, 2 and 3

38. Which of the following is correct about the glomus tumour?

1. It arises from the Sucquet-Hoyer canals
2. Its usual site is a nail bed.
3. It is usually a small purple nodule.
4. It is painless.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(a) 1, 2 and 3

39. Which of the following is correct about Felty's syndrome?

1. It is associated with rheumatoid arthritis.
2. It may present with leukopenia
3. It may have splenomegaly.
4. Splenectomy always improves the blood picture.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(a) 1, 2 and 3

40. Anderson-Hynes plasty is a type of repair of

- (a) renal pelvis
- (b) lower ureter
- (c) urinary bladder

(d) glans penis

(a) renal pelvis

41. During the first stage of labour, the intrauterine pressure is increased up to

- (a) 2-3 mm of Hg
- (b) 8-10 mm of Hg
- (c) 40-50 mm of Hg
- (d) 100-120 mm of Hg

(c) 40-50 mm of Hg

42. Which of the following are screening tests for cervical cancer?

- 1. Pap test
- 2. HPV DNA test
- 3. Visual inspections with acetic acid
- 4. Endocervical curettage

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

43. Heavy menstrual bleeding is a common presentation in which of the following?

- 1. Clotting factor deficiency
- 2. Fibroid uterus
- 3. Adenomyosis
- 4. Prolactinoma

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

44. Serum level of CA 125 is raised in which of the following conditions?

- 1. Epithelial ovarian cancer
- 2. Endometriosis
- 3. Pelvic inflammatory disease

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2, and 3

(d) 1, 2, and 3

45. Uterus is supported by which of the following ligaments?

- 1. Pubocervical ligament
- 2. Cardinal ligament
- 3. Uterosacral ligament
- 4. Ovarian ligament

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

46. Amongst the following, the Pearl Index is the highest with

- (a) combined oral contraceptives
- (b) intrauterine contraceptive devices
- (c) barrier contraceptives
- (d) calendar rhythm method

(d) calendar rhythm method

47. Following vaginal delivery, the uterus becomes non-pregnant size by

- (a) 9 weeks postpartum
- (b) 8 weeks postpartum
- (c) 4 weeks postpartum
- (d) 6 weeks postpartum

(c) 4 weeks postpartum

48. Indications and prerequisites for delivery with the ventouse include which of the following?

- 1. Delay in the second stage of labour
- 2. Non-reassuring foetal heart rate
- 3. Gestation age less than 34 weeks of pregnancy
- 4. Vertex presentation

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

49. Which of the following foetal infections are associated with significant intrauterine growth restriction?

1. Cytomegalovirus infection
2. Rubella infection
3. Toxoplasmosis
4. Human papillomavirus infection

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

50. Missed abortion is not diagnosed if

- (a) vaginal bleed is brownish in colour
- (b) uterus is smaller than the gestational age
- (c) external os is closed
- (d) USG shows foetus with cardiac activity

(d) USG shows foetus with cardiac activity

51. As per the PC & PNDT Act, permission will be given to perform the tests for detection of which of the following?

1. Chromosomal abnormalities
2. Haemoglobinopathies
3. Sex-linked genetic diseases

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2, and 3

(d) 1, 2, and 3

52. Which of the following are indications for early clamping of the umbilical cord at delivery?

1. Rh incompatibility
2. Baby born to a diabetic mother
3. Maternal anaemia
4. Birth asphyxia

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

53. The definition of gestational hypertension includes which of the following?

1. Sustained rise of blood pressure to 140/90 mm of Hg or more at least on two occasions 12 hours apart at any period of pregnancy
2. Sustained rise of blood pressure to 140/90 mm of Hg beyond 40 hours of delivery
3. Sustained rise of blood pressure to 140 /90 mm of Hg on two occasions 4 or more hours apart
4. Pregnancy should be more than 20 weeks

Select the correct answer using the code given below.

- (a) 2 and 4
- (b) 3 and 4
- (c) 1
- (d) 3 only

(b) 3 and 4

54. A 27-year-old female is complaining of greyish-white discharge with a fishy odour. There is no history of itching associated with discharge. Which one of the following is the most likely diagnosis?

- (a) Trichomoniasis
- (b) Candidiasis
- (c) Urinary tract infection
- (d) Bacterial vaginosis

(d) Bacterial vaginosis

55. Which of the following are contraindications for insertion of an Intrauterine Contraceptive Device (IUCD)?

1. Age > 35 years
2. Suspected pregnancy
3. Acute pelvic infection
4. Severe dysmenorrhea

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(d) 2, 3 and 4

56. Regarding the phenomenon of lightening in primigravida at term pregnancy, which one of the following statements is correct?

- (a) It is a welcome sign since it indicates the descent fetal head into the pelvis.
- (b) There are no bladder or bowel symptoms associated with this phenomenon.
- (c) It occurs later and just before labour in primigravida compared to multigravida.
- (d) It is associated with worsening of cardiorespiratory embarrassment in the mother.

(a) It is a welcome sign since it indicates the descent fetal head into the pelvis.

57. The first-line treatment of Group B Streptococcal (GBS) infection pregnancy is

- (a) penicillin
- (b) azithromycin
- (c) doxycycline
- (d) vancomycin

(a) penicillin

58. Which of the following are included in the combined prenatal screening tests in the first trimester?

1. B-hCG
2. MS AFP (α-Fetoprotein)
3. Nuchal translucency
4. PAPP-A

Select the correct answer using the code given below.

- (a) 1, 2, 3 and 4
- (b) 1, 2 and 3 only
- (c) 1, 3 and 4 only
- (d) 2 and 4 only

(c) 1, 3 and 4 only

59. In hyperemesis gravidarum, Wernicke's encephalopathy is seen due to the deficiency of

- (a) vitamin B6
- (b) vitamin B1
- (c) vitamin B12
- (d) vitamin B4

(b) vitamin B1

60. Which of the following are correct regarding Placental Site Trophoblastic Tumour (PSTT)?

- 1. Low serum B-hCG
- 2. Composed mainly of cytotrophoblast
- 3. Highly radiation responsive to chemo
- 4. Local invasion into myometrium

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

61. Metroplasty is the surgical procedure done for which one of the following uterine anomalies?

- (a) Septate uterus
- (b) Arcuate uterus
- (c) Uterus didelphys
- (d) Imperforate hymen

(a) Septate uterus

62. Which of the following are the clinical features of hyperprolactinemia?

- 1. Hypergonadotropic hypogonadism
- 2. Hypogonadotropic hypergonadism
- 3. Oligomenorrhea
- 4. Heavy menstruation

Select the correct answer using the code given below.

- (a) 1 and 3
- (b) 1 and 4
- (c) 2 and 3
- (d) 2 and 4

(c) 2 and 3

63. Which of the following are effective in the management of premenstrual syndrome?

1. Niacin (vitamin B3)
2. Combined oral contraceptive pills
3. Diuretics
4. Hysterectomy with oophorectomy

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(d) 2, 3 and 4

64. Which one of the following blood tests is the marker of ovarian reserve?

- (a) B-hCG
- (b) Anti-Mullerian hormone
- (c) Placental alkaline phosphatase
- (d) Serum estradiol

(b) Anti-Mullerian hormone

65. In the PALM-COEIN classification by FIGO for abnormal uterine bleeding, o-ovulatory dysfunction is the cause in which one of the following conditions?

- (a) Adenomyosis
- (b) Pelvic inflammatory disease
- (c) Polycystic ovarian syndrome
- (d) Ovarian cancer

(c) Polycystic ovarian syndrome

66. Which of the following is correct regarding genital warts (condyloma acuminata)?

1. It is usually single.
2. It is related to HPV Types 6 and 11.
3. It can be transmitted sexually.
4. It can involve the vagina and anus

Select the correct answer using the code given below.

- (a) 1, 2, 3 and 4
- (b) 2, 3 and 4 only
- (c) 1, 2 and 3 only
- (d) 1 and 4 only

(b) 2, 3 and 4 only

67. Which of the following is correct regarding endometrial cancer?

1. Persistent progesterone stimulation is an important aetiology.
2. It is more common in the white population.
3. HNPCC (Hereditary Nonpolyposis Colorectal Cancer) syndrome is a high-risk factor.
4. Adenocarcinoma is the commonest histopathology.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(d) 2, 3 and 4

68. The reference point zero in POPO (Pelvic Organ Prolapse Quantification) classification is taken as

- (a) ischial spine
- (b) perineal body
- (c) mid-vagina
- (d) hymen

(d) hymen

69. Which of the following are the various treatment options for Twin-Twin Transfusion Syndrome (TTTS)?

1. Septostomy
2. Laser photocoagulation
3. Selective foetal reduction

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2, and 3

(d) 1, 2, and 3

70. Which of the following drugs should be avoided in labouring women with bronchial asthma?

1. Opioid analgesics
2. Prostaglandin F_{2a}
3. Prostaglandin E₁

4. Ergometrine

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

71. Which of the following are the complications of malaria in pregnancy? 1. Thrombocytopenia
2. Metabolic alkalosis
3. Hypoglycemia
4. Disseminated intravascular coagulation

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(c) 1, 3 and 4

72. Which of the following is correct regarding drospirenone?
1. It is a fourth-generation progestin
2. It has antiandrogenic properties.
3. It has antimineralocorticoid action.
4. It is safe in renal failure patients.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

73. Which of the following symptoms are related to ectopic pregnancy? 1. Acute abdominal pain following amenorrhea
2. Abdominal pain with bleeding P/V
3. Fainting attack with shoulder pain
4. Painless continuous bleeding

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

74. Premenstrual Syndrome (PMS) should fulfil which of the following criteria?

1. It is not related to any organic lesion
2. It regularly occurs during the luteal phase and each ovulatory menstruation cycle.
3. Symptoms must be severe enough to disturb the lifestyle of women and seek medical help
4. Symptoms persist after the period also.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

75. Which of the following statements is correct regarding the constriction ring?

1. Premature rupture of membranes is a high-risk factor.
2. It is situated at the junction of the upper and lower uterine segment.
3. Uterus never ruptures.
4. The ring is felt per abdomen.

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(b) 1, 2 and 4

76. A patient delivered a live healthy baby 4 hours back. Now she has developed persistent severe pain in the perineal region and rectal tenesmus. Local examination reveals a tense and tender purple swelling at the vulva. What is her probable diagnosis?

- (a) Cervical tear
- (b) Perineal tear
- (c) Pelvic hematoma
- (d) Ruptured uterus

(c) Pelvic hematoma

77. Which of the following are included in the management of cord prolapse during delivery?

1. Bladder emptying
2. Knee-chest position of the patient
3. Preferably caesarean delivery
4. Lifting up the presenting part of the cord

Select the correct answer using the code given below.

- (a) 2 and 3 only
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 2 and 3 only

78. Which of the following statements have obstetric significance at the level of plane of least pelvic dimensions?

1. It is a landmark used for pudendal nerve block analgesia.
2. Deep transverse arrest usually occurs at this plane.
3. It is at this plane that the internal rotation of the foetal head occurs during labour.
4. It marks the beginning of the backward curve of the pelvic axis

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4
- (c) 1, 3 and 4
- (d) 2, 3 and 4

(a) 1, 2 and 3

79. Which surgery is most likely to disturb the paracervical nerve plexus resulting in atonicity of the bladder?

- (a) Vaginal hysterectomy
- (b) Radical hysterectomy
- (c) Simple hysterectomy
- (d) Myomectomy

(b) Radical hysterectomy

80. The patency of fallopian tubes can be clinically tested by which of the following methods?

1. Sonosalpingogram
2. Hysterosalpingogram
3. CT scan

4. Laparoscopic chromotubation

Select the correct answer using the code given below.

- (a) 1, 2 and 4
- (b) 1, 3 and 4
- (c) 1, 2 and 3
- (d) 2, 3 and 4

(a) 1, 2 and 4

81. In swimming pools, the free residual chlorine required for providing adequate protection against bacterial and viral agents should be

- (a) 0.5 mg/litre
- (b) 10 mg/litre
- (c) 1.5 mg/litre
- (d) 2.0 mg/litre

(d) 2.0 mg/litre

82. Which of the following will be the target population for screening for diabetes?

1. Women who have had a baby weighing more than 45 kg
2. People over 40 years of age
3. People with a family history of diabetes

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

(d) 1, 2 and 3

83. With reference to Indian men, who can be categorised to be carrying out moderate work, what is the Recommended Dietary Allowance (RDA) of thiamine (in mg/day)?

- (a) 1.0
- (b) 1.4
- (c) 1.8
- (d) 1.2

(d) 1.2

84. For the treatment of kala-azar, the daily dose of miltefosine in a 3-year-old child who weighs 15 kg is

- (a) 10 mg

- (b) 20 mg
- (c) 30 mg
- (d) 40 mg

(d) 40 mg

85. The single most sensitive tool for evaluating the iron status in an individual is

- (a) haemoglobin concentration
- (b) serum iron concentration
- (c) serum ferritin value
- (d) serum transferrin saturation

(c) serum ferritin value

86. Which of the following criteria must be met by a disease before it is to be considered suitable for a screening programme?

1. The natural history of the disease should be adequately understood.
2. No effective treatment should exist for the disease.
3. The disease should not have a recognizable latent or asymptomatic stage.
4. There should be a test that can detect the disease prior to the onset of signs and symptoms.

Select the correct answer using the code given below.

- (a) 1 and 2
- (b) 1 and 4
- (c) 3 and 4
- (d) 2 and 4

(b) 1 and 4

87. As a part of the Universal Immunization Programme in India, the Inactivated Polio Vaccine (IPV) given as fractional IPV by intradermal route is administered at what age/ages?

1. Birth
2. 6 weeks
3. 14 weeks
4. 9 months

Select the correct answer using the code given below:

- (a) 1
- (b) 2 only
- (c) 2 and 3
- (d) 2 and 4

(c) 2 and 3

88. Consider the following:

1. Intravenous tubes
2. Catheters
3. Gloves
4. Blood bags

Which of the above-mentioned biomedical wastes will be segregated in Red bags as per the Biomedical Waste Management Rules, 2016?

- (a) 1, 2 and 4
- (b) 1, 3 and 4
- (c) 2, 3 and 4
- (d) 1, 2 and 3

(d) 1, 2 and 3

89. Which of the following parameters are required for calculating the Human Development Index?

1. Life expectancy at birth
2. Infant mortality rate
3. Gross national income per capita
4. Mean years of schooling

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(c) 1, 3 and 4

90. Which of the following statements regarding the Open Vial Policy, 2015 are correct?

1. It applies only for DPT, TT, and Liquid Hepatitis B, OPV Pentavalent vaccine.
2. Vaccine vials opened in session site can be used again provided a vaccine vial monitor has not reached the discard point.
3. Open vial should never be submerged in water.
4. Open vials of BCG, Measles and JE should be preserved till the next immunisation session.

Select the correct answer using the code given below.

- (a) 1, 2, 3 and 4
- (b) 1 and 2 only
- (c) 1, 2 and 3 only
- (d) 3 and 4 only

(c) 1, 2 and 3 only

91. Which of the following statements are correct in respect of haemophilia?

1. It is a hereditary bleeding disorder.
2. It has a higher incidence among Asians.
3. It affects females occasionally and mildly.

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

(b) 1 and 3 only

92. To prevent neonatal tetanus in an infant born to a woman who has not been given Tetanus Toxoid (TT) appropriately during pregnancy, what should ideally be done?

- (a) Give one dose of TT immediately
- (b) Injection Antitoxin Serum (ATS) has to be administered within 6 hours of birth
- (c) Give one dose of TT and one dose of ATS within 6 hours of birth
- (d) Give one dose of TT and one dose of ATS after 72 hours of birth

(a) Give one dose of TT immediately

93. What is the shelf life of Dukoral (wc-rBS) oral vaccine used for cholera prevention, when stored at a temperature of 2 °C to 8 °C?

- (a) 5 years
- (b) 3 years
- (c) 1 year
- (d) 6 months

(b) 3 years

94. Which of the following is correct in respect of incidence rate?

1. It is a sum total of new and old cases
2. It refers to a specified period of time.
3. It refers to a defined population.
4. It must include the unit of time in the final expression.

Select the correct answer using the code given below.

- (a) 2, 3 and 4
- (b) 1, 2 and 3
- (c) 1, 2 and 4
- (d) 1, 3 and 4

(a) 2, 3 and 4

95. Forty patients with diarrheal diseases were studied. Their age distribution is given below

0-4 years - 22 patients

5-9 years - 12 patients

10-14 years - 6 patients

What is the mean age of the patients in this study?

(a) 2 years

(b) 4 years

(c) 5 years

(d) 6 years

(c) 5 years

96. Which one of the following international agencies focuses on the Country Health Programming approach?

(a) The United Nations Development Programme (UNDP)

(b) The United Nations Children's Fund (UNICEF) UPSC CMS GURU – The

(c) The United Nations Population Fund (UNFPA)

(d) The United States Agency for International Development (USAID)

(a) The United Nations Development Programme (UNDP)

97. Which of the following statements are true about the End TB Strategy?

1. The strategy goes beyond patient care to promote TB prevention.

2. The targets are to be achieved by 2035.

3. The milestone for 2025 is to reduce TB deaths by 35% compared to 2015.

4. The strategy identifies four barriers to achieve progress in the fight against TB.

Select the correct answer using the code given below.

(a) 1, 2 and 3

(b) 2, 3 and 4

(c) 1, 2 and 4

(d) 1, 3 and 4

(c) 1, 2 and 4

98. Which one of the following is the commonest extra-salivary gland manifestation of mumps in adults?

(a) Pancreatitis

(b) Polyarthrititis

(c) Hydrocephalus

(d) Orchitis

(d) Orchitis

99. All cases of severe measles and all cases of measles in areas with high case fatality rate need to be treated with which of the following vitamins?

- (a) Vitamin A
- (b) Vitamin C
- (c) Vitamin D
- (d) Vitamin K

(a) Vitamin A

100. Consider the protein content of the following food items (in terms of grams per 100 grams of food):

- 1. Cow milk
- 2. Meat
- 3. Soya bean
- 4. Sugar

What is the correct descending order (highest to lowest) of protein content?

- (a) 2, 1, 3, 4
- (b) 3, 1, 2, 4
- (c) 3, 2, 1, 4
- (d) 2, 3, 4, 1

(c) 3, 2, 1, 4

101. Which of the following are modifiable risk factors for coronary heart disease?

- 1. Age
- 2. Cigarette smoking
- 3. Obesity
- 4. Sedentary habits

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4
- (d) 1, 2 and 4

(b) 2, 3 and 4

102. Determination of alpha-fetoprotein levels in maternal serum is a useful screening tool for

- (a) congenital hypothyroidism
- (b) Duchenne muscular dystrophy

- (c) phenylketonuria
- (d) neural tube defects

(d) neural tube defects

103. Consider the phases of a family life cycle:

1. Contraction
2. Dissolution
3. Extension
4. Formation

What is the correct order of the phases from first to last?

- (a) 4, 3, 2, 1
- (b) 2, 1, 3, 4
- (c) 4, 3, 1, 2
- (d) 1, 2, 3, 4

(c) 4, 3, 1, 2

104. Which of the following services are provided to pregnant women under the Integrated Child Development Scheme (ICDS)?

1. Health check-up
2. Immunisation against tetanus
3. Supplementary nutrition
4. Nutrition and health education

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 1, 2, and 4 only
- (c) 3 and 4 only
- (d) 1, 2, 3, and 4

(d) 1, 2, 3, and 4

105. Which of the following are the principal causes of infant mortality in India?

1. Acute respiratory infections
2. Congenital anomalies
3. Childhood cancers
4. Diarrheal diseases

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 2, 3 and 4
- (c) 1, 3 and 4

(d) 1, 2 and 4

(d) 1, 2 and 4

106. Throughout history, humans have been adapting the environment to the genes more than adapting genes to the environment. Adapting environment to the genes is called

- (a) eugenics
- (b) acculturation
- (c) euthenics
- (d) euphenics

(c) euthenics

107. In a town, a study was carried out to determine the role of cigarette smoking in the causation of lung cancer. It was found that a total of 7000 people in the town were smokers. Of them, 70 developed lung cancer. In the same town, 3000 people were non-smokers. Of them, 3 developed lung cancer. Given these numbers, what would be the attributable risk to cigarette smoking for lung cancer?

- (a) 10%
- (b) 30%
- (c) 60%
- (d) 90%

(d) 90%

108. A town in the hills had a mid-year population of 250000 in the year 2021. During the same year, the death registry of the town recorded 1500 deaths due to tuberculosis in 365 calendar days. Given these facts, what is the specific death rate for tuberculosis in the town?

- (a) 1
- (b) 6
- (c) 10
- (d) 60

(b) 6

109. Which of the following rare vaccine reactions are known to occur with BCG vaccine?

1. Suppurative lymphadenitis
2. Guillain-Barre syndrome
3. Osteitis
4. Disseminated infection

Select the correct answer using the code given below.

- (a) 1, 2 and 3
- (b) 1, 2 and 4

- (c) 1, 3 and 4
- (d) 2, 3 and 4

(d) 2, 3 and 4

110. Which one of the following vaccines is known to interfere with the Yellow Fever vaccine if administered within 3 weeks of each other?

- (a) Typhoid vaccine
- (b) Cholera vaccine
- (c) Tetanus toxoid
- (d) Measles vaccine

(d) Measles vaccine

111. Regarding the Vandemataram Scheme, consider the following statements

1. It is a voluntary scheme wherein any obstetrician, maternity home, nursing home, MBBS doctor can provide safe motherhood services.
2. The enrolled doctors must provide iron and folic acid tablets out of their pocket free to the beneficiaries.
3. The TT injections are provided by the District Medical Officers to the enrolled doctors for free administration to the beneficiaries.
4. To join the Vandemataram Scheme, the facility must have resources for caesarean section.

Which of the statements given above are correct?

- (a) 1 and 2
- (b) 1 and 3 only
- (c) 3 and 4 only
- (d) 1, 3 and 4

(b) 1 and 3 only

112. Consider the following measures which can help make unlined katcha wells sanitary

1. Deepening the bottom
2. Filling the well with clay up to the water level and with coarse sand above that level
3. Installing a hand pump with screen
4. Constructing a platform and drainage once the material used for filling is completely consolidated

Which of these measures hold good in making unlined katcha wells sanitary?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1, 3 and 4 only
- (d) 1, 2, 3 and 4

(c) 1, 3 and 4 only

113. In which way is the membrane filtration technique better than the multiple tube method' for determining the presence of coliform organisms in water?

- (a) Membrane filtration technique is much quicker and results can be obtained within 20 hours. while the multiple-tube method is much longer.
- (b) The membrane filtration technique is far cheaper than the multiple-tube method.
- (c) The membrane filtration technique is universally available, and hence, easily doable.
- (d) The membrane filtration technique can be employed by all and sundry, whereas the multiple-tube method can only be carried out by trained hands.

(b) The membrane filtration technique is far cheaper than the multiple-tube method.

114. Of the following amino acids required by the human body, which one falls under the category of essential amino acid?

- (a) Arginine
- (b) Threonine
- (c) Serine
- (d) Proline

(b) Threonine

115. Consider the following statements with reference to the National Framework for Malaria Elimination in India, 2016-2030:

1. The goal is to eliminate indigenous cases throughout the country by 2030.
2. By 2022, the transmission of malaria is to be interrupted and indigenous cases brought to zero in all 26 States / UTs that were under Categories 1 and 2 in 2014.
3. By 2026, the incidence of malaria is to be reduced to less than 1 case per 1000 population in all States and UTs, and their districts.
4. By 2030, indigenous transmission of malaria is to be interrupted in all States and UTs of India

Which of the statements given above hold true?

- (a) 1 and 2 only
- (b) 1 and 3 only
- (c) 3 and 4 only
- (d) 1, 2, 3, and 4

(b) 1 and 3 only

116. With reference to determinants of neonatal mortality, consider the following statements

1. Neonatal mortality is directly related to the birth weight of the newborn.
2. Neonatal mortality is directly related to the gestational age at which the birth takes place.
3. Neonatal mortality is closely related to the educational status of the mother.

4. Neonatal mortality is low if the mother's age is between 15-16 years.

Which of the statements given above are correct?

- (a) 1 and 4 only
- (b) 2 and 3 only
- (c) 1, 2 and 3 only
- (d) 1, 2, 3 and 4

(c) 1, 2 and 3 only

117. As per the definition of the World Health Organization, late maternal death is defined as the death of a woman from direct or indirect obstetric causes, after more than X days but less than one year after termination of pregnancy. Which one among the following is the correct value of X?

- (a) 7
- (b) 21
- (c) 42
- (d) 84

(c) 42

118. In a newborn, the Apgar score has been recorded at 1 minute of birth. The doctor recorded the following observations:

Heart rate: 92 per minute

Respiratory effort: Slow, irregular

Muscle tone: Flaccid

Reflex response: No response

Colour: Body pink, extremities blue

Which one of the following best reflects the Apgar score of this newborn infant on a scale of 0 to 10?

- (a) 0
- (b) 2
- (c) 3
- (d) 5

(c) 3

119. The following table shows some of the pneumoconiosis diseases along with the most implicated causative chemical agents. Which among the following represents the correct combinations of diseases and causative chemical agents?

1. Anthracosis: Coal dust
2. Bagassosis: Silica dust
3. Byssinosis: Cotton dust

4. Siderosis: Asbestos

Select the correct answer using the code given below.

- (a) 1 and 2
- (b) 1 and 3
- (c) 2 and 3
- (d) 2 and 4

(b) 1 and 3

120. The following table shows the Total Fertility Rate (TFR) by the Wealth Index, as per the National Family Health Survey, (NFHS-4) findings

Wealth Index : TFR

Lowest : 3.17

Second : 2.45

Middle : 2.07

Fourth : 1.84

Highest : 1.54

Total : 2.18

Which among the following is/are correct about the information?

1. The divisions of Wealth Index in the NFHS-4 can be called quartiles.
2. The information given in the table can be presented as a pie chart.
3. The Wealth Index was calculated in NFHS-4 by asking about the per capita income.
4. Each of the higher divisions of the Wealth Index had lower TFR than the previous (or lower) division.

Select the correct answer using the code given below.

- (a) 1 and 2
- (b) 1 and 4
- (c) 3
- (d) 4 only

(d) 4 only